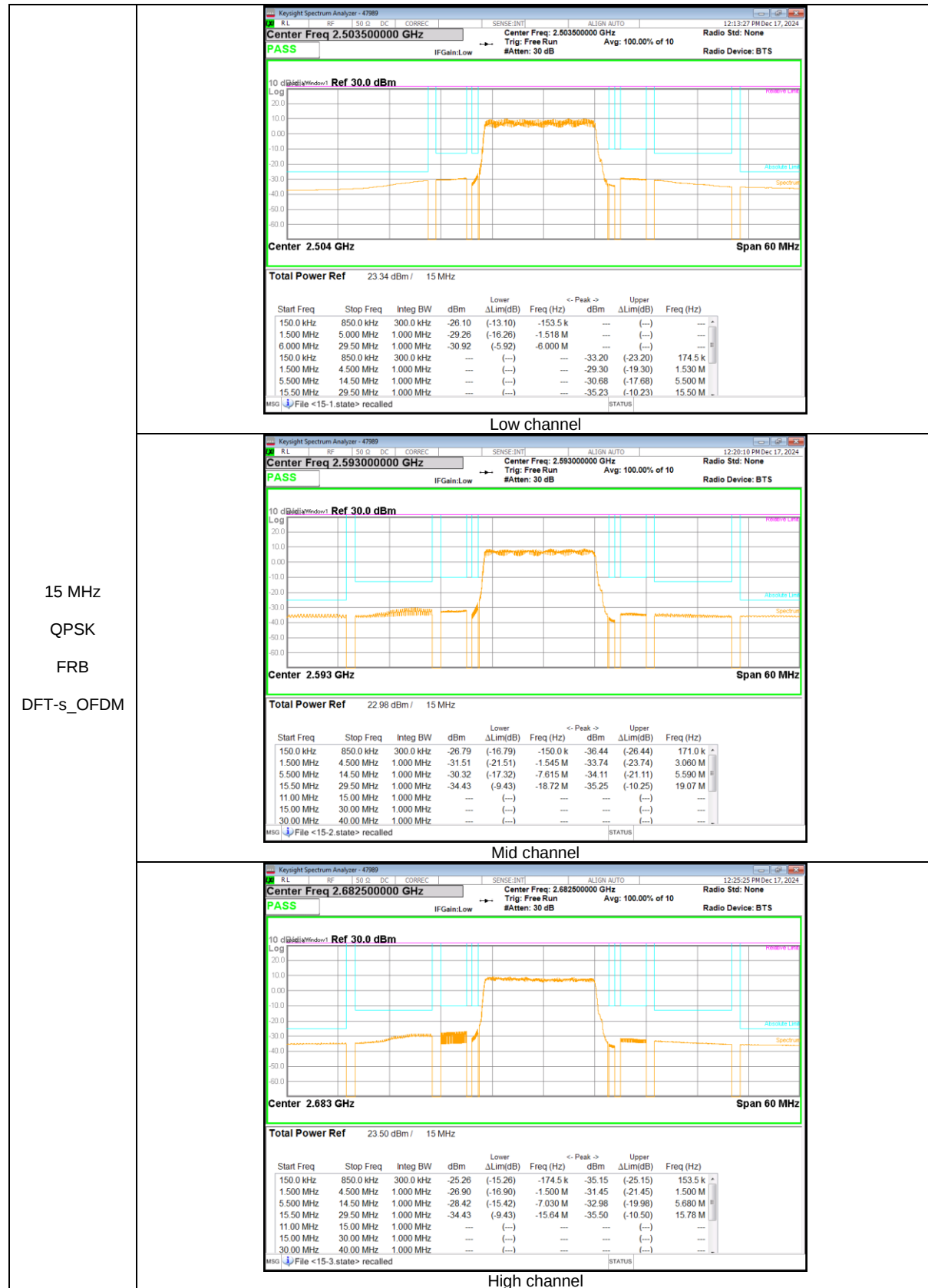
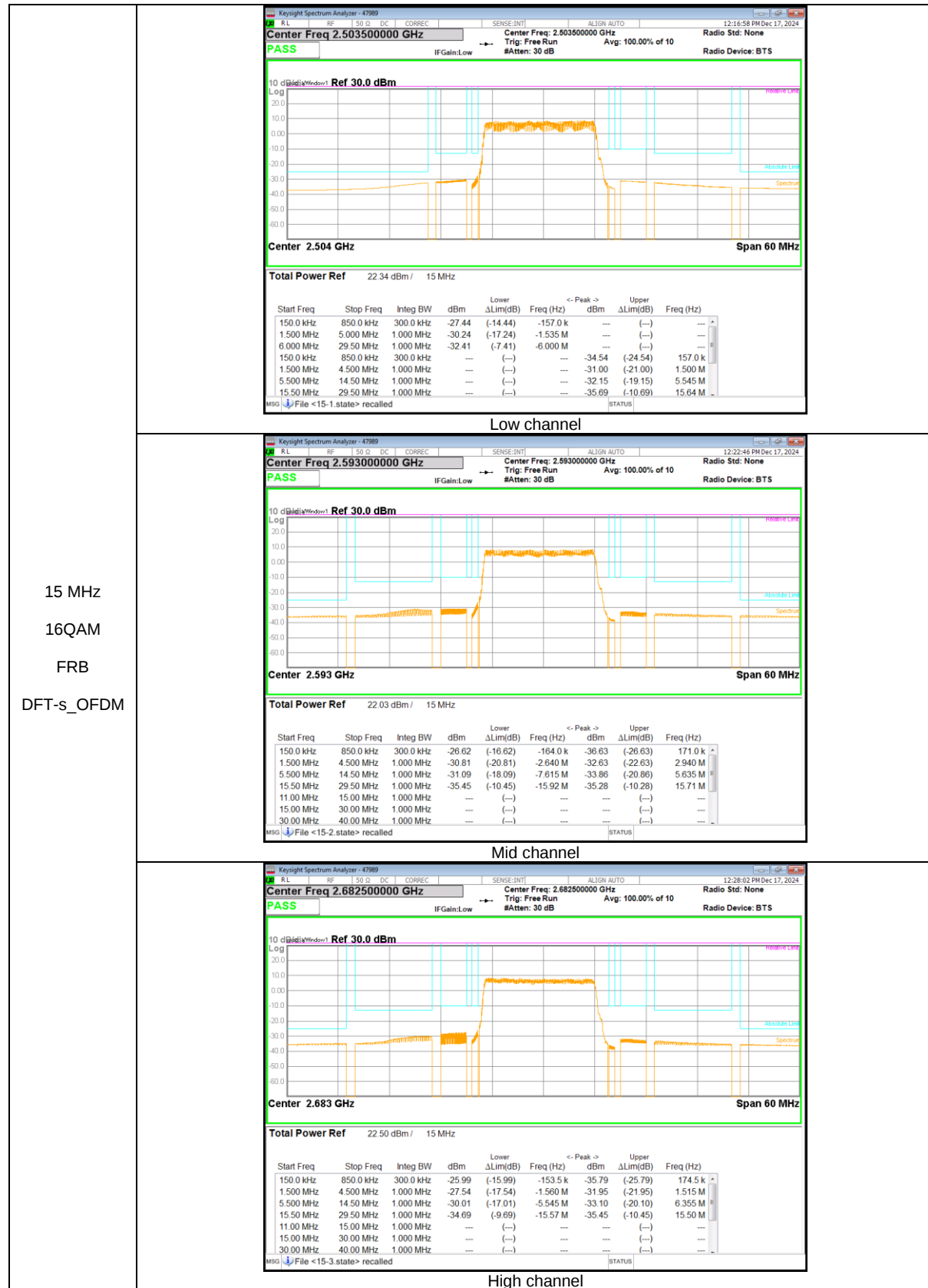


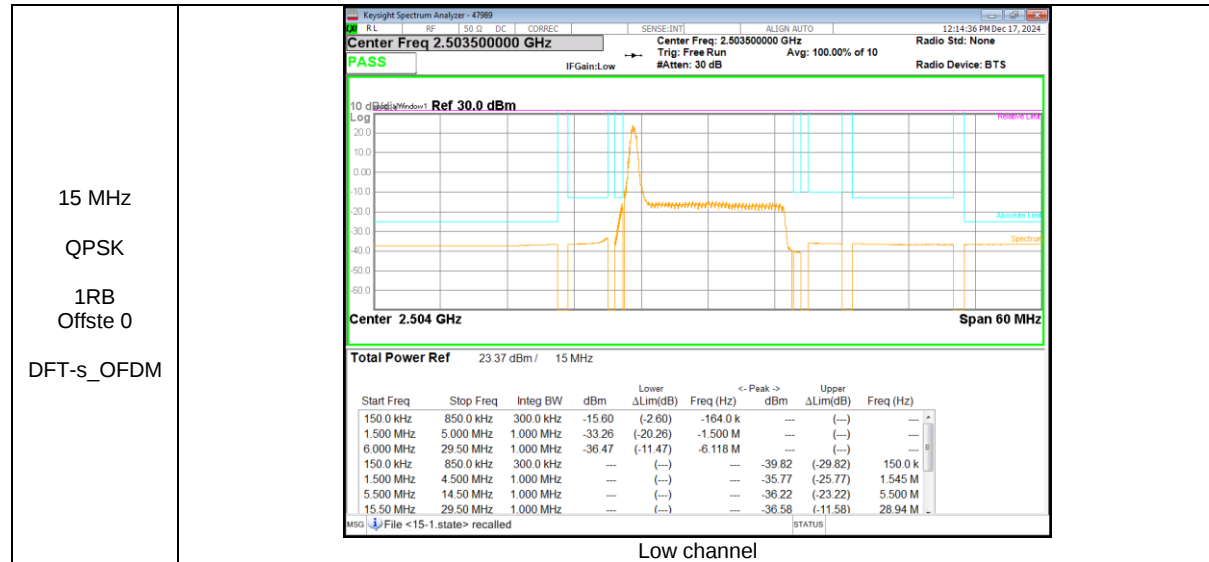








NR Band n41 (PC2) 1 RB (Worst Case)



8.5. CONDUCTED SPURIOUS EMISSIONS

RULE PART(S)

FCC: §27.53

LIMITS

Part 27.53:

(c)(2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB.

(h) The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10} (P)$ dB.

(m) (4) For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

(l)(2) For mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (l)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

(n)(2) For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

TEST PROCEDURE

Per KDB 971168 D01 Power Meas License Digital Systems v03r01

The RF output of the transmitter was connected to a spectrum analyzer through a calibrated coaxial cable. Sufficient scans were taken to show the out-of-band Emissions, if any, up to 10th harmonic. Multiple sweeps were recorded in maximum hold Mode using a peak detector to ensure that the worst-case emissions were caught.

- a) Set the RBW = 100 kHz for emission below 1 GHz and 1 MHz for emissions above 1 GHz
(Tests were performed 1MHz [Worst case], to sweep 1 time for all frequency range)
- b) Set VBW $\geq 3 \times$ RBW;
- c) Set span ≥ 1.5 times the OBW;
- d) Sweep time = auto couple;
- e) Detector = rms;
- f) Ensure that the number of measurement points = Max (40001);
- g) Trace Mode = average(WDCMA, LTE FDD, 5G NR FDD), Max hold(LTE TDD, 5G NR TDD);

NOTE1

UMTS: It was tested at REL 99 as worst case (the highest output power and density).

LTE: It was tested at 1RB QPSK as worst case (the highest output power and density).

5G NR: All Waveforms (CP-OFDM vs DFT-s_OFDM) and modulations ($\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM) were investigated to determine the worst case configuration. All Modes of operation were investigated and the worst case configuration results are reported in this section.

NOTE2

Please refer to section 5.4 for bandwidth and RB setting about LTE, 5G NR bands.

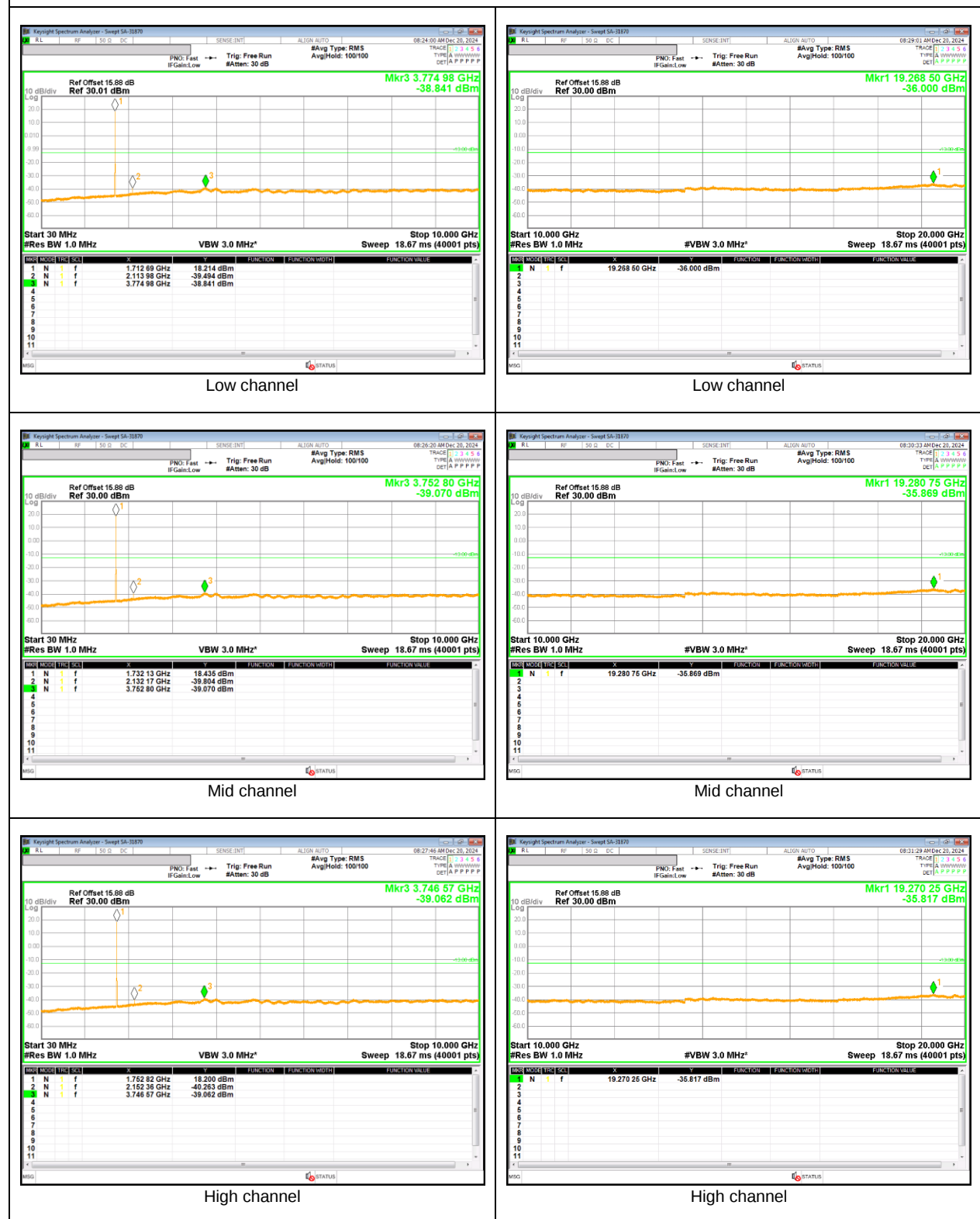
RESULTS

See the following pages.

8.5.1. OUT OF BAND EMISSIONS RESULT

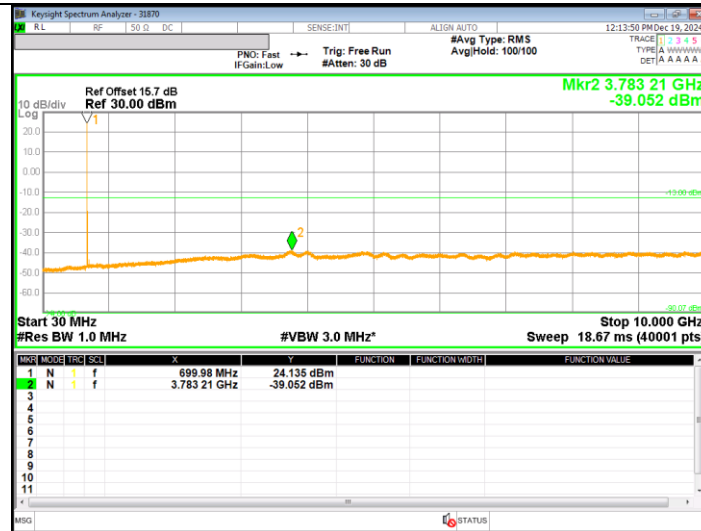
WCDMA Band 4

REL99

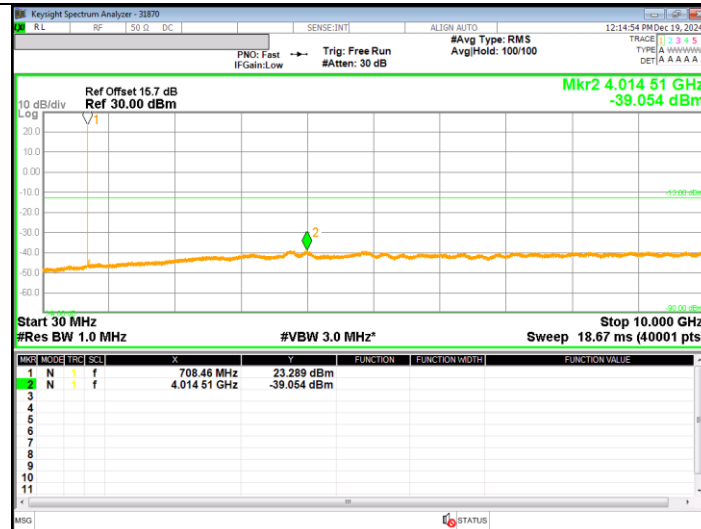


LTE Band 12

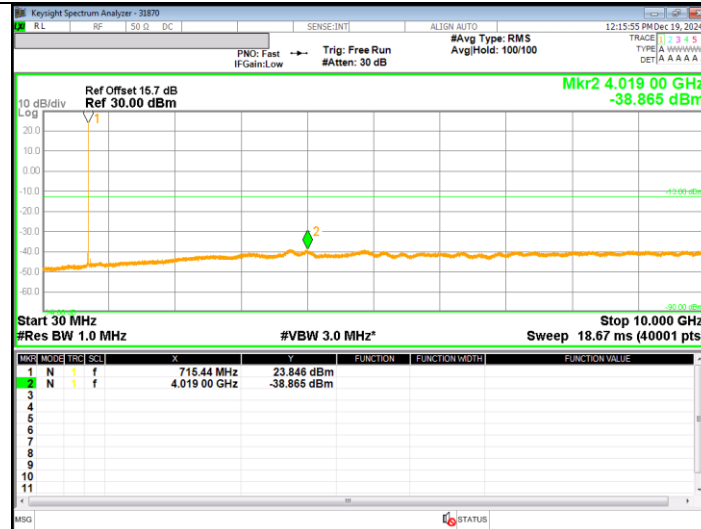
3 MHz QPSK



Low channel



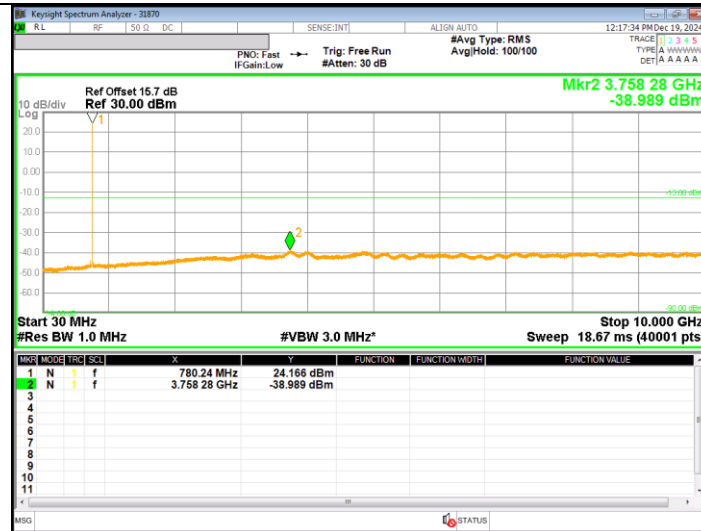
Mid channel



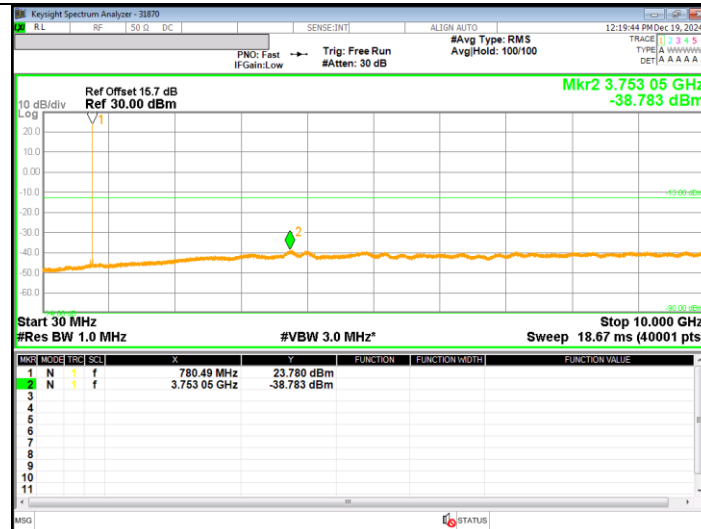
High channel

LTE Band 13

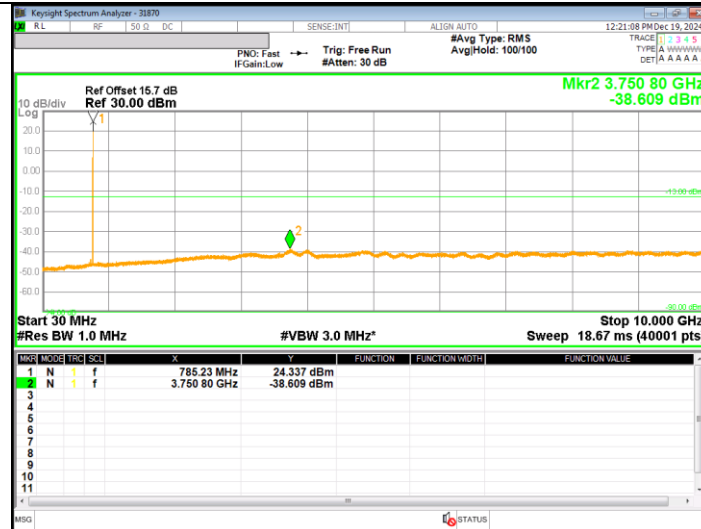
5 MHz QPSK



Low channel



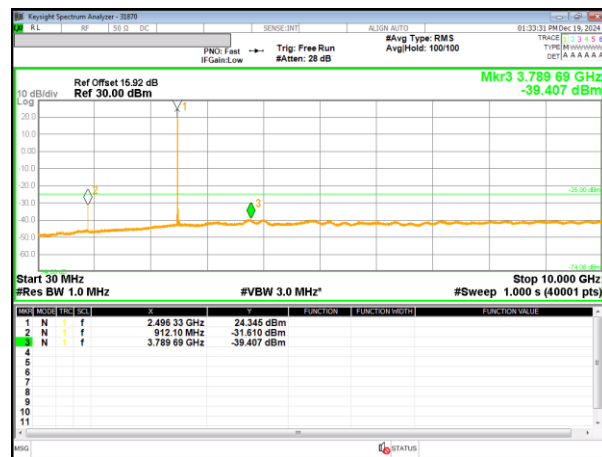
Mid channel



High channel

LTE Band 41(PC3)

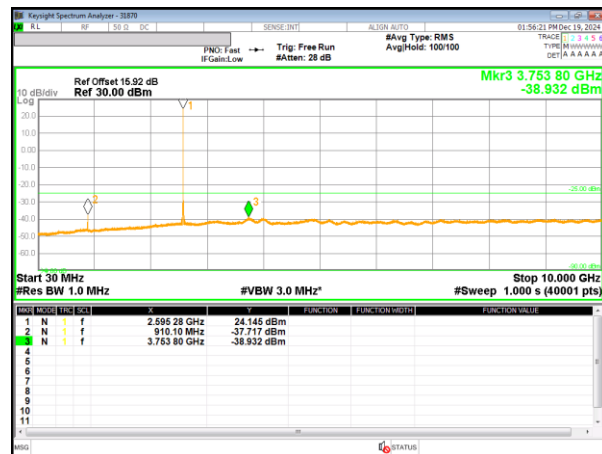
5 MHz QPSK



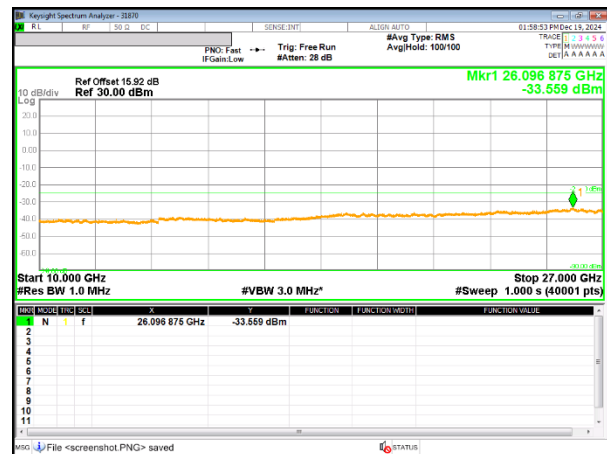
Low channel



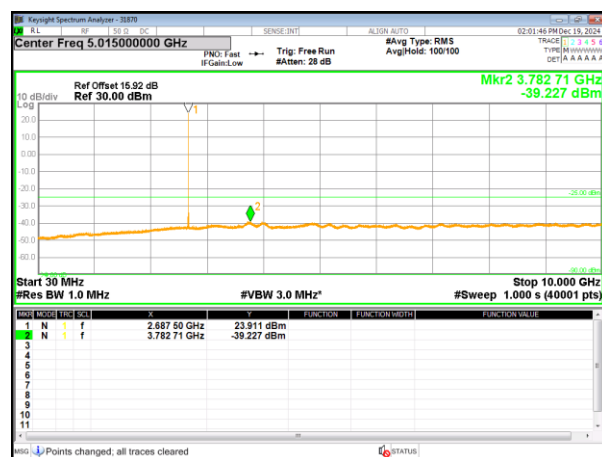
Low channel



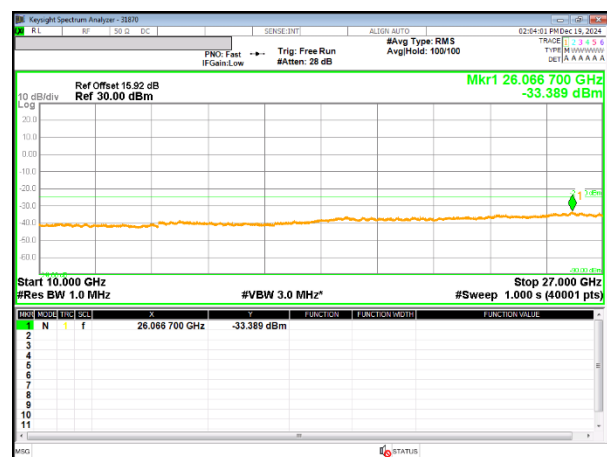
Mid channel



Mid channel



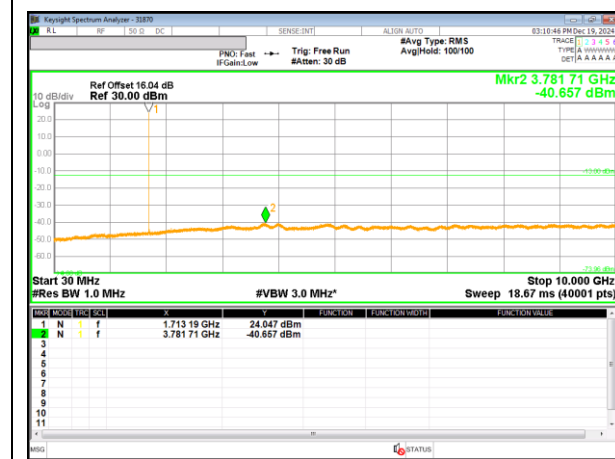
High channel



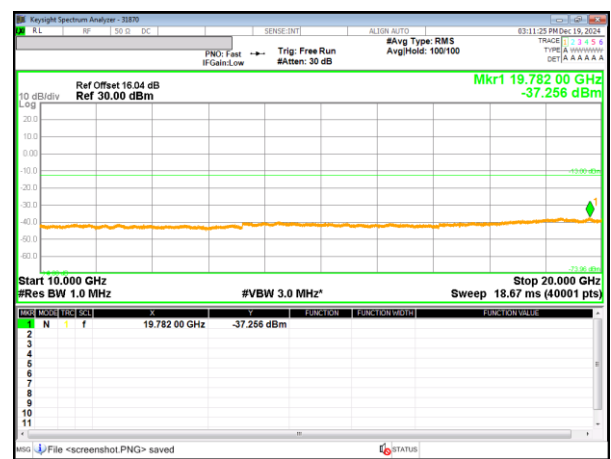
High channel

LTE Band 66

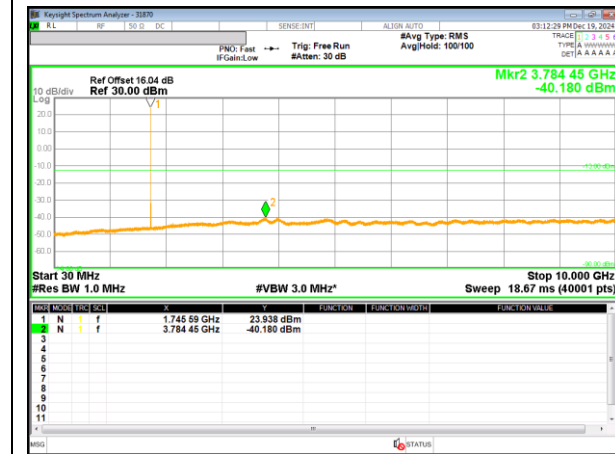
5 MHz QPSK



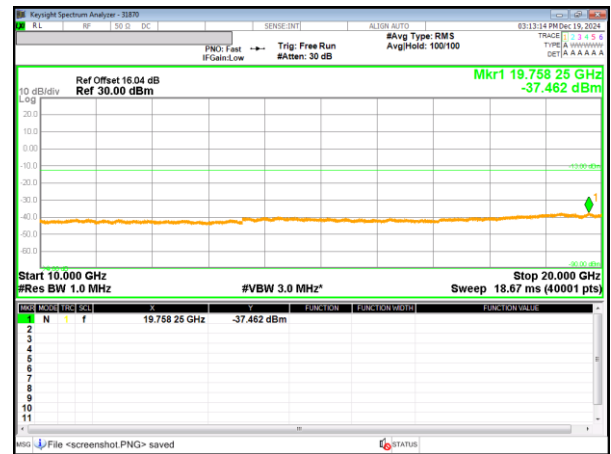
Low channel



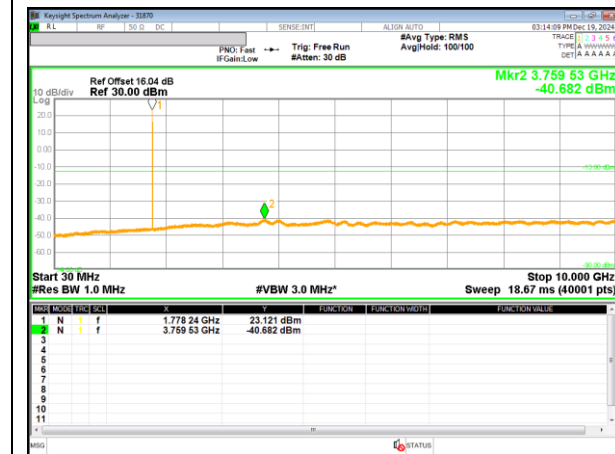
Low channel



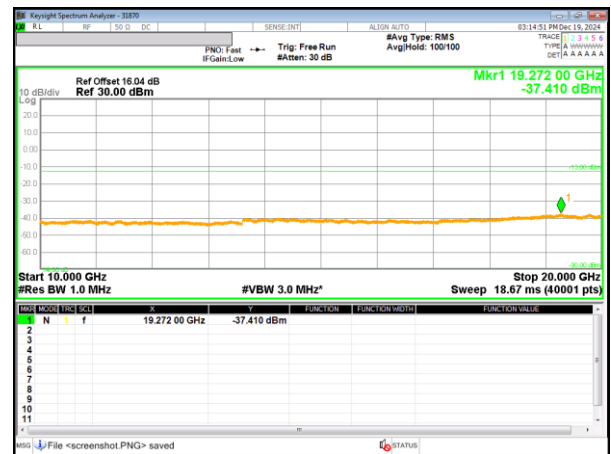
Mid channel



Mid channel



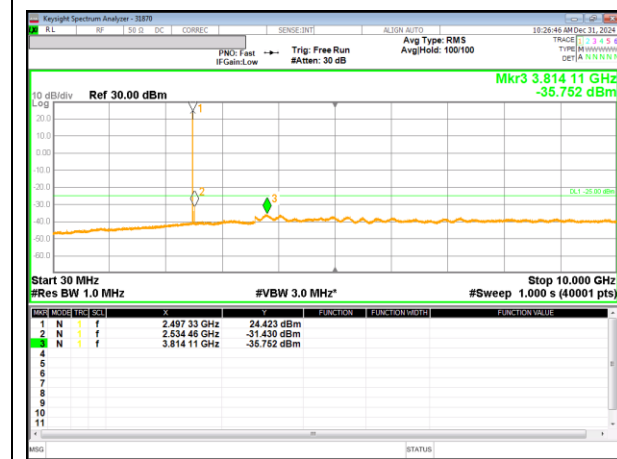
High channel



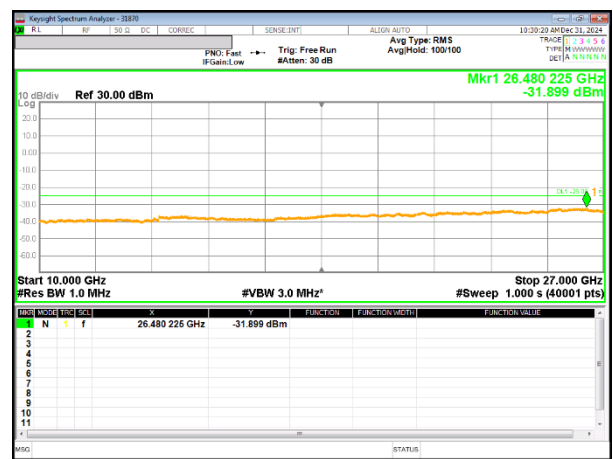
High channel

NR Band n41 (PC3)

40 MHz QPSK DFT-s_OFDM



Low channel



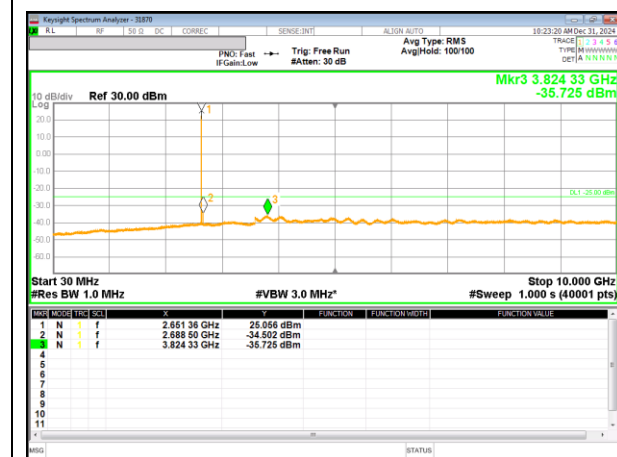
Low channel



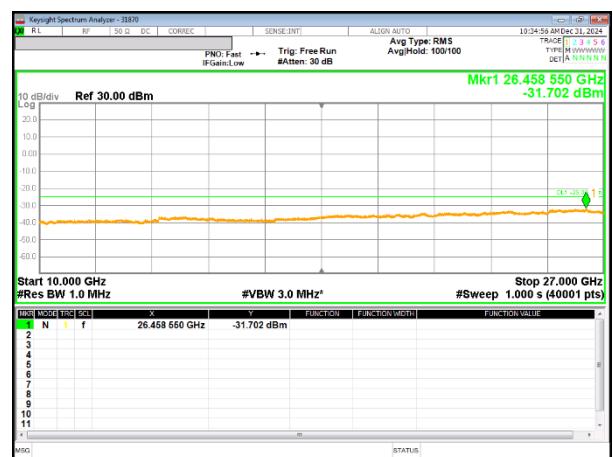
Mid channel



Mid channel



High channel



High channel

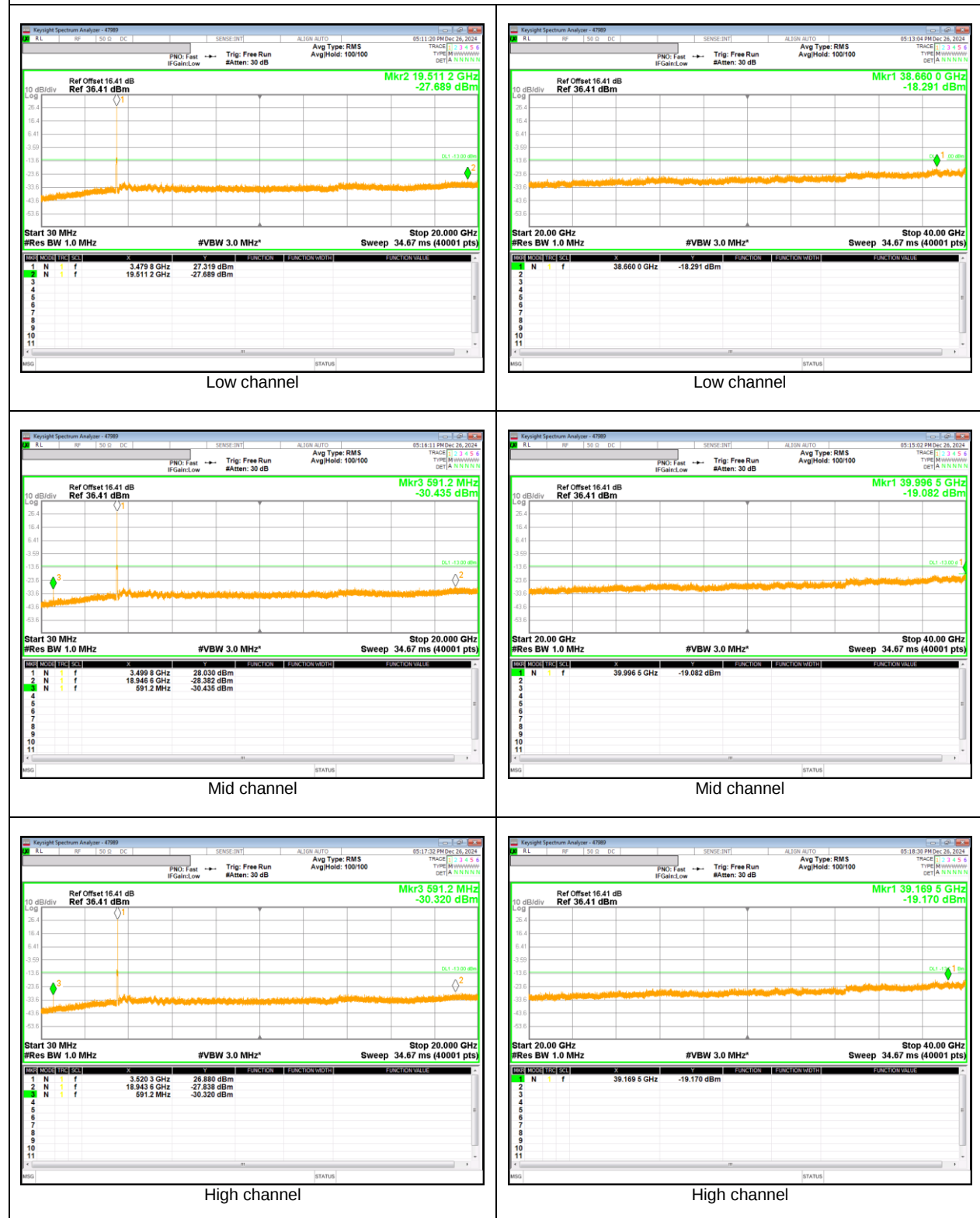
NR Band n66

25 MHz QPSK DFT-s_OFDM



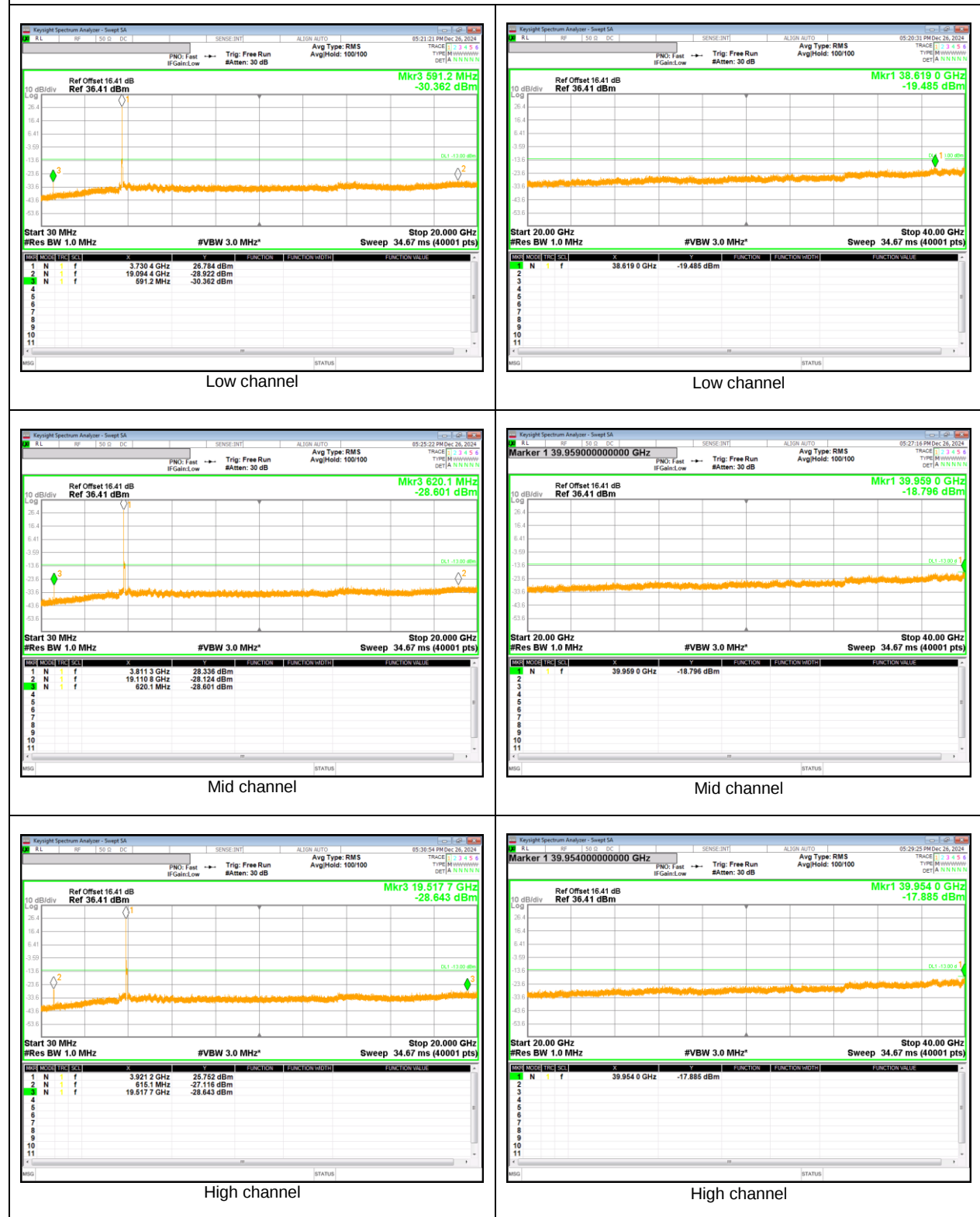
NR Band n77 (PC2, 3450-3550 MHz)

60 MHz QPSK DFT-s_OFDM



NR Band n77 (PC2, 3700-3980 MHz)

60 MHz QPSK DFT-s_OFDM



8.6. FREQUENCY STABILITY

RULE PART(S)

FCC: §2.1055, §27.54

LIMITS

Part 27.54

The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

TEST PROCEDURE

Per KDB 971168 D01 Power Meas License Digital Systems v03r01

NOTE

Test were performed each lowest or highest frequency on the modulation condition of more wide bandwidth.(Please refer to OBW results)

RESULTS

See the following pages.

8.6.1. FREQUENCY STABILITY RESULTS

WCDMA Band 4 (Lowest Frequency: HSDPA / Highest Frequency: HSDPA)

Test Date	2024-12-19
Test Engineer	47989

Limit		1710	1755	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	1710.3252	1754.6786		
Extreme (50C)		1710.3253	1754.6787	95.1	0.055
Extreme (40C)		1710.3253	1754.6787	89.5	0.052
Extreme (30C)		1710.3253	1754.6787	99.7	0.058
Extreme (10C)		1710.3253	1754.6787	96.6	0.056
Extreme (0C)		1710.3253	1754.6787	96.2	0.056
Extreme (-10C)		1710.3253	1754.6787	92.7	0.054
Extreme (-20C)		1710.3253	1754.6787	96.4	0.056
Extreme (-30C)		1710.3253	1754.6787	91.2	0.053
20C	15%	1710.3253	1754.6787	96.3	0.056
	-15%	1710.3253	1754.6787	93.5	0.054
	End Point	1710.3253	1754.6787	91.0	0.053

LTE Band 12 (Lowest Frequency: QPSK / Highest Frequency: QPSK)

Test Date	2024-12-16
Test Engineer	47989

Limit		699	716	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	699.1554	715.8462		
Extreme (50C)		699.1554	715.8462	32.7	0.046
Extreme (40C)		699.1554	715.8462	32.8	0.046
Extreme (30C)		699.1554	715.8462	41.4	0.058
Extreme (10C)		699.1554	715.8462	31.9	0.045
Extreme (0C)		699.1554	715.8462	29.8	0.042
Extreme (-10C)		699.1554	715.8462	37.2	0.053
Extreme (-20C)		699.1554	715.8462	39.5	0.056
Extreme (-30C)		699.1554	715.8462	33.5	0.047
20C	15%	699.1554	715.8462	39.8	0.056
	-15%	699.1554	715.8462	36.6	0.052
	End Point	699.1554	715.8462	41.2	0.058

LTE Band 13 (Lowest Frequency: 16QAM / Highest Frequency: 16QAM)

Test Date	2024-12-16
Test Engineer	47989

Limit		777	787	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	777.2503	786.7448		
Extreme (50C)		777.2503	786.7448	34.3	0.044
Extreme (40C)		777.2503	786.7448	37.7	0.048
Extreme (30C)		777.2503	786.7448	32.0	0.041
Extreme (10C)		777.2503	786.7448	35.7	0.046
Extreme (0C)		777.2503	786.7448	35.6	0.046
Extreme (-10C)		777.2503	786.7448	36.6	0.047
Extreme (-20C)		777.2503	786.7448	36.2	0.046
Extreme (-30C)		777.2503	786.7448	40.1	0.051
20C	15%	777.2503	786.7448	32.2	0.041
	-15%	777.2503	786.7448	34.3	0.044
	End Point	777.2503	786.7448	31.9	0.041

LTE Band 41 (Lowest Frequency: 16QAM / Highest Frequency: 16QAM)

Test Date	2024-12-18
Test Engineer	47989

Limit		2496	2690	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	2496.2601	2689.7461		
Extreme (50C)		2496.2602	2689.7462	140.7	0.054
Extreme (40C)		2496.2602	2689.7462	142.7	0.055
Extreme (30C)		2496.2602	2689.7462	140.6	0.054
Extreme (10C)		2496.2602	2689.7462	138.9	0.054
Extreme (0C)		2496.2602	2689.7462	140.8	0.054
Extreme (-10C)		2496.2602	2689.7462	139.3	0.054
Extreme (-20C)		2496.2602	2689.7462	139.1	0.054
Extreme (-30C)		2496.2602	2689.7462	140.7	0.054
20C	15%	2496.2602	2689.7462	137.8	0.053
	-15%	2496.2602	2689.7462	139.9	0.054
	End Point	2496.2602	2689.7462	143.0	0.055

LTE Band 66 (Lowest Frequency: 16QAM / Highest Frequency: 16QAM)

Test Date	2024-12-19
Test Engineer	47989

Limit		1710	1780	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	1710.1536	1779.8454		
Extreme (50C)		1710.1537	1779.8454	91.7	0.053
Extreme (40C)		1710.1537	1779.8454	91.0	0.052
Extreme (30C)		1710.1537	1779.8454	95.4	0.055
Extreme (10C)		1710.1537	1779.8454	96.3	0.055
Extreme (0C)		1710.1537	1779.8454	90.2	0.052
Extreme (-10C)		1710.1537	1779.8454	97.1	0.056
Extreme (-20C)		1710.1537	1779.8454	91.5	0.052
Extreme (-30C)		1710.1537	1779.8454	94.1	0.054
20C	15%	1710.1537	1779.8454	92.5	0.053
	-15%	1710.1537	1779.8454	94.2	0.054
	End Point	1710.1537	1779.8454	93.2	0.053

NR Band n41 (Lowest Frequency: 16QAM / Highest Frequency: 16QAM)

Test Date	2024-12-16
Test Engineer	47989

Normal (20C)		2496	2690	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	2496.6909	2689.3205		
Extreme (50C)		2496.6909	2689.3205	6.1	0.002
Extreme (40C)		2496.6909	2689.3205	7.4	0.003
Extreme (30C)		2496.6909	2689.3205	9.4	0.004
Extreme (10C)		2496.6909	2689.3205	7.1	0.003
Extreme (0C)		2496.6909	2689.3205	9.8	0.004
Extreme (-10C)		2496.6909	2689.3205	12.8	0.005
Extreme (-20C)		2496.6909	2689.3205	11.1	0.004
Extreme (-30C)		2496.6909	2689.3205	14.1	0.005
20C	15%	2496.6909	2689.3205	6.2	0.002
	-15%	2496.6909	2689.3205	11.9	0.005
	End Point	2496.6909	2689.3205	10.8	0.004

NR Band n66 (Lowest Frequency: 16QAM / Highest Frequency: QPSK)

Test Date	2024-12-16
Test Engineer	47989

Limit		1710	1780	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	1710.2585	1779.7413		
Extreme (50C)		1710.2585	1779.7413	5.0	0.003
Extreme (40C)		1710.2585	1779.7413	4.3	0.002
Extreme (30C)		1710.2585	1779.7413	9.4	0.005
Extreme (10C)		1710.2585	1779.7413	8.7	0.005
Extreme (0C)		1710.2585	1779.7413	8.9	0.005
Extreme (-10C)		1710.2585	1779.7413	5.8	0.003
Extreme (-20C)		1710.2585	1779.7413	8.5	0.005
Extreme (-30C)		1710.2585	1779.7413	4.6	0.003
20C	15%	1710.2585	1779.7413	4.5	0.003
	-15%	1710.2585	1779.7413	7.5	0.004
	End Point	1710.2585	1779.7413	8.9	0.005

NR Band n77 3450 – 3550 MHz (Lowest Frequency: 16QAM / Highest Frequency: QPSK)

Test Date	2024-12-17
Test Engineer	47989

Limit		3450	3550	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	3450.6959	3549.2849		
Extreme (50C)		3450.6959	3549.2849	18.1	0.005
Extreme (40C)		3450.6959	3549.2849	16.4	0.005
Extreme (30C)		3450.6959	3549.2849	16.0	0.005
Extreme (10C)		3450.6959	3549.2849	9.8	0.003
Extreme (0C)		3450.6959	3549.2849	14.0	0.004
Extreme (-10C)		3450.6959	3549.2849	17.9	0.005
Extreme (-20C)		3450.6959	3549.2849	10.4	0.003
Extreme (-30C)		3450.6959	3549.2849	12.1	0.003
20C	15%	3450.6959	3549.2849	16.2	0.005
	-15%	3450.6959	3549.2849	17.6	0.005
	End Point	3450.6959	3549.2849	16.2	0.005

NR Band n77 3700 – 3980 MHz (Lowest Frequency: 16QAM / Highest Frequency: QPSK)

Test Date	2024-12-17
Test Engineer	47989

Limit		3700	3980	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	3700.6881	3979.2983		
Extreme (50C)		3700.6881	3979.2983	19.8	0.005
Extreme (40C)		3700.6881	3979.2983	19.9	0.005
Extreme (30C)		3700.6881	3979.2983	19.2	0.005
Extreme (10C)		3700.6881	3979.2983	11.0	0.003
Extreme (0C)		3700.6881	3979.2983	9.9	0.003
Extreme (-10C)		3700.6881	3979.2983	10.2	0.003
Extreme (-20C)		3700.6881	3979.2983	14.8	0.004
Extreme (-30C)		3700.6881	3979.2983	17.1	0.004
20C	15%	3700.6881	3979.2983	13.5	0.004
	-15%	3700.6881	3979.2983	18.0	0.005
	End Point	3700.6881	3979.2983	17.8	0.005

9. RADIATED RESULTS

9.1. RADIATED POWER (ERP & EIRP)

RULE PART(S)

FCC: §2.1046, §27.50

LIMITS

Part 27.50:

(b)(10) Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP.

(c) (10) - Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

(d)(4) Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP.

(h) The following power limits shall apply in the BRS and EBS:

(2) Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

(j)(3) Mobile and portable stations are limited to 1 Watt EIRP. Mobile and portable stations operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.

(k)(3) Mobile devices are limited to 1Watt (30 dBm) EIRP. Mobile devices operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.

TEST PROCEDURE

ANSI / TIA / EIA 603 E Clause 2.2.17; ESU40 setting reference to 971168 D01 v03r01

For radiated output power measurement with a ESU40:

- a) Set the RBW $\geq$ OBW;
- b) Set VBW $\geq 3 \times$ RBW;
- c) Set span $\geq 2 \times$ RBW;
- d) Sweep time = auto couple or 1 second;
- e) Detector = rms;
- f) Ensure that the number of measurement points $\geq$ span/RBW;
- g) Trace Mode = average(LTE, 5G NR);

NOTE1

LTE Band 41(PC2) A-MPR is implemented in this EUT when operating on HPUE per the A-MPR specification in 3GPP TS 36.101 (Table 6.2.4-4a). Also only Emission mask test item were performed A-MPR condition.

TEST RESULTS

See the following pages.

9.1.1. ERP/EIRP RESULT

WCDMA (ANT B)

Band	Mode	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)
Band 4	REL99	1712.40	19.73	H	4.31	9.51	24.93	311.17	30.00	-5.07
		1732.60	20.33	H	4.33	9.60	25.61	363.92	30.00	-4.39
		1752.60	19.61	H	4.36	9.68	24.94	311.89	30.00	-5.06
	HSDPA	1712.40	19.30	H	4.31	9.51	24.50	281.84	30.00	-5.50
		1732.60	20.04	H	4.33	9.60	25.32	340.41	30.00	-4.68
		1752.60	19.45	H	4.36	9.68	24.78	300.61	30.00	-5.22

LTE Band 12 (ANT A)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBd)	ERP (dBm)	ERP (mW)	Limit (dBm)	Delta (dB)	RB
10	QPSK	704.00	22.68	V	2.79	-1.34	18.55	71.61	34.77	-16.22	1/0
		707.50	22.76	V	2.80	-1.34	18.62	72.78	34.77	-16.15	1/0
		711.00	22.41	V	2.81	-1.33	18.28	67.30	34.77	-16.49	1/0
	16-QAM	704.00	21.67	V	2.79	-1.34	17.54	56.75	34.77	-17.23	1/0
		707.50	21.66	V	2.80	-1.34	17.52	56.49	34.77	-17.25	1/0
		711.00	21.36	V	2.81	-1.33	17.23	52.84	34.77	-17.54	1/0
5	QPSK	701.50	22.61	V	2.79	-1.35	18.48	70.47	34.77	-16.29	1/0
		707.50	22.55	V	2.80	-1.34	18.41	69.34	34.77	-16.36	1/0
		713.50	22.41	V	2.81	-1.32	18.28	67.30	34.77	-16.49	1/0
	16-QAM	701.50	21.45	V	2.79	-1.35	17.32	53.95	34.77	-17.45	1/0
		707.50	21.41	V	2.80	-1.34	17.27	53.33	34.77	-17.50	1/0
		713.50	21.36	V	2.81	-1.32	17.23	52.84	34.77	-17.54	1/0
3	QPSK	700.50	22.51	V	2.79	-1.35	18.38	68.87	34.77	-16.39	1/0
		707.50	22.38	V	2.80	-1.34	18.24	66.68	34.77	-16.53	1/0
		714.50	22.19	V	2.82	-1.32	18.05	63.83	34.77	-16.72	1/0
	16-QAM	700.50	21.45	V	2.79	-1.35	17.32	53.95	34.77	-17.45	1/0
		707.50	21.19	V	2.80	-1.34	17.05	50.70	34.77	-17.72	1/0
		714.50	21.05	V	2.82	-1.32	16.91	49.09	34.77	-17.86	1/0
1.4	QPSK	699.70	22.47	V	2.78	-1.35	18.33	68.08	34.77	-16.44	1/0
		707.50	22.58	V	2.80	-1.34	18.44	69.82	34.77	-16.33	1/0
		715.30	22.17	V	2.82	-1.32	18.03	63.53	34.77	-16.74	1/0
	16-QAM	699.70	21.43	V	2.78	-1.35	17.29	53.58	34.77	-17.48	1/0
		707.50	21.50	V	2.80	-1.34	17.36	54.45	34.77	-17.41	1/0
		715.30	21.07	V	2.82	-1.32	16.93	49.32	34.77	-17.84	1/0

LTE Band 13 (ANT A)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBd)	ERP (dBm)	ERP (mW)	Limit (dBm)	Delta (dB)	RB
10	QPSK	782.00	24.18	H	2.94	-1.19	20.05	101.16	34.77	-14.72	1/0
	16-QAM	782.00	23.33	H	2.94	-1.19	19.20	83.18	34.77	-15.57	1/0
5	QPSK	779.50	24.16	H	2.94	-1.19	20.04	100.93	34.77	-14.73	1/0
		782.00	24.37	H	2.94	-1.19	20.24	105.68	34.77	-14.53	1/0
		784.50	24.40	H	2.95	-1.18	20.28	106.66	34.77	-14.49	1/12
	16-QAM	779.50	22.94	H	2.94	-1.19	18.82	76.21	34.77	-15.95	1/0
		782.00	23.37	H	2.94	-1.19	19.24	83.95	34.77	-15.53	1/0
		784.50	23.21	H	2.95	-1.18	19.09	81.10	34.77	-15.68	1/12

LTE Band 41 (PC3) (ANT B)

BW (MHz)	MoHulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
20	QPSK	2506.00	17.16	H	5.25	10.04	21.95	156.68	33.00	-11.05	1/0
		2593.00	17.37	H	5.34	9.90	21.93	155.96	33.00	-11.07	1/49
		2680.00	16.01	H	5.44	9.88	20.44	110.66	33.00	-12.56	1/99
	16-QAM	2506.00	16.41	H	5.25	10.04	21.20	131.83	33.00	-11.80	1/0
		2593.00	16.54	H	5.34	9.90	21.10	128.82	33.00	-11.90	1/49
		2680.00	15.09	H	5.44	9.88	19.53	89.74	33.00	-13.47	1/99
15	QPSK	2503.50	17.12	H	5.25	10.05	21.91	155.24	33.00	-11.09	1/0
		2593.00	17.34	H	5.34	9.90	21.90	154.88	33.00	-11.10	1/37
		2682.50	15.88	H	5.44	9.88	20.32	107.65	33.00	-12.68	1/37
	16-QAM	2503.50	16.40	H	5.25	10.05	21.20	131.83	33.00	-11.80	1/0
		2593.00	16.55	H	5.34	9.90	21.11	129.12	33.00	-11.89	1/37
		2682.50	15.09	H	5.44	9.88	19.53	89.74	33.00	-13.47	1/37
10	QPSK	2501.00	17.19	H	5.24	10.05	22.00	158.49	33.00	-11.00	1/25
		2593.00	17.52	H	5.34	9.90	22.08	161.44	33.00	-10.92	1/25
		2685.00	16.00	H	5.45	9.89	20.43	110.41	33.00	-12.57	1/25
	16-QAM	2501.00	16.45	H	5.24	10.05	21.26	133.66	33.00	-11.74	1/25
		2593.00	16.75	H	5.34	9.90	21.31	135.21	33.00	-11.69	1/25
		2685.00	15.28	H	5.45	9.89	19.71	93.54	33.00	-13.29	1/25
5	QPSK	2498.50	17.25	H	5.24	10.06	22.06	160.69	33.00	-10.94	1/12
		2593.00	17.48	H	5.34	9.90	22.04	159.96	33.00	-10.96	1/12
		2687.50	15.95	H	5.45	9.89	20.39	109.40	33.00	-12.61	1/12
	16-QAM	2498.50	16.47	H	5.24	10.06	21.29	134.59	33.00	-11.71	1/12
		2593.00	16.65	H	5.34	9.90	21.21	132.13	33.00	-11.79	1/12
		2687.50	15.17	H	5.45	9.89	19.60	91.20	33.00	-13.40	1/12

LTE Band 41 (PC3) (ANT D)

BW (MHz)	MoHulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
20	QPSK	2506.00	15.29	H	5.25	10.04	20.08	101.86	33.00	-12.92	1/99
		2593.00	16.14	H	5.34	9.90	20.70	117.49	33.00	-12.30	1/0
		2680.00	15.82	H	5.44	9.88	20.26	106.17	33.00	-12.74	1/0
	16-QAM	2506.00	14.55	H	5.25	10.04	19.34	85.90	33.00	-13.66	1/99
		2593.00	15.23	H	5.34	9.90	19.79	95.28	33.00	-13.21	1/0
		2680.00	15.07	H	5.44	9.88	19.51	89.33	33.00	-13.49	1/0
15	QPSK	2503.50	14.72	H	5.25	10.05	19.52	89.54	33.00	-13.48	1/37
		2593.00	16.05	H	5.34	9.90	20.61	115.08	33.00	-12.39	1/0
		2682.50	15.21	H	5.44	9.88	19.65	92.26	33.00	-13.35	1/0
	16-QAM	2503.50	14.21	H	5.25	10.05	19.01	79.62	33.00	-13.99	1/37
		2593.00	15.31	H	5.34	9.90	19.87	97.05	33.00	-13.13	1/0
		2682.50	14.62	H	5.44	9.88	19.06	80.54	33.00	-13.94	1/0
10	QPSK	2501.00	15.11	H	5.24	10.05	19.92	98.17	33.00	-13.08	1/25
		2593.00	16.37	H	5.34	9.90	20.93	123.88	33.00	-12.07	1/25
		2685.00	15.91	H	5.45	9.89	20.34	108.14	33.00	-12.66	1/25
	16-QAM	2501.00	14.70	H	5.24	10.05	19.51	89.33	33.00	-13.49	1/25
		2593.00	15.94	H	5.34	9.90	20.50	112.20	33.00	-12.50	1/25
		2685.00	15.33	H	5.45	9.89	19.76	94.62	33.00	-13.24	1/25
5	QPSK	2498.50	14.70	H	5.24	10.06	19.52	89.54	33.00	-13.48	1/0
		2593.00	16.10	H	5.34	9.90	20.66	116.41	33.00	-12.34	1/12
		2687.50	14.67	H	5.45	9.89	19.11	81.47	33.00	-13.89	1/12
	16-QAM	2498.50	14.15	H	5.24	10.06	18.97	78.89	33.00	-14.03	1/0
		2593.00	15.68	H	5.34	9.90	20.24	105.68	33.00	-12.76	1/12
		2687.50	13.83	H	5.45	9.89	18.27	67.14	33.00	-14.73	1/12

LTE Band 66 (ANT B)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
20	QPSK	1720.00	17.69	H	4.33	9.50	22.86	193.20	30.00	-7.14	1/0
		1745.00	16.74	H	4.37	9.58	21.96	157.04	30.00	-8.04	1/0
		1770.00	16.50	H	4.40	9.62	21.73	148.94	30.00	-8.27	1/49
	16-QAM	1720.00	16.72	H	4.33	9.50	21.89	154.53	30.00	-8.11	1/0
		1745.00	15.77	H	4.37	9.58	20.99	125.60	30.00	-9.01	1/0
		1770.00	15.47	H	4.40	9.62	20.70	117.49	30.00	-9.30	1/49
15	QPSK	1717.50	17.53	H	4.32	9.49	22.70	186.21	30.00	-7.30	1/0
		1745.00	16.72	H	4.37	9.58	21.94	156.31	30.00	-8.06	1/0
		1772.50	16.75	H	4.40	9.63	21.98	157.76	30.00	-8.02	1/0
	16-QAM	1717.50	16.80	H	4.32	9.49	21.97	157.40	30.00	-8.03	1/0
		1745.00	15.61	H	4.37	9.58	20.83	121.06	30.00	-9.17	1/0
		1772.50	15.33	H	4.40	9.63	20.56	113.76	30.00	-9.44	1/0
10	QPSK	1715.00	17.53	H	4.32	9.48	22.69	185.78	30.00	-7.31	1/0
		1745.00	16.75	H	4.37	9.58	21.97	157.40	30.00	-8.03	1/0
		1775.00	16.95	H	4.40	9.63	22.18	165.20	30.00	-7.82	1/0
	16-QAM	1715.00	16.73	H	4.32	9.48	21.89	154.53	30.00	-8.11	1/0
		1745.00	16.11	H	4.37	9.58	21.33	135.83	30.00	-8.67	1/0
		1775.00	15.90	H	4.40	9.63	21.13	129.72	30.00	-8.87	1/0
5	QPSK	1712.50	17.44	H	4.32	9.47	22.60	181.97	30.00	-7.40	1/0
		1745.00	16.77	H	4.37	9.58	21.99	158.12	30.00	-8.01	1/0
		1777.50	16.53	H	4.40	9.63	21.77	150.31	30.00	-8.23	1/12
	16-QAM	1712.50	16.48	H	4.32	9.47	21.64	145.88	30.00	-8.36	1/0
		1745.00	15.76	H	4.37	9.58	20.98	125.31	30.00	-9.02	1/0
		1777.50	15.67	H	4.40	9.63	20.91	123.31	30.00	-9.09	1/12
3	QPSK	1711.50	17.59	H	4.31	9.47	22.74	187.93	30.00	-7.26	1/0
		1745.00	16.54	H	4.37	9.58	21.76	149.97	30.00	-8.24	1/0
		1778.50	16.57	H	4.40	9.63	21.80	151.36	30.00	-8.20	1/0
	16-QAM	1711.50	16.47	H	4.31	9.47	21.62	145.21	30.00	-8.38	1/0
		1745.00	15.70	H	4.37	9.58	20.92	123.59	30.00	-9.08	1/0
		1778.50	15.74	H	4.40	9.63	20.97	125.03	30.00	-9.03	1/0
1.4	QPSK	1710.70	17.83	H	4.31	9.47	22.98	198.61	30.00	-7.02	1/0
		1745.00	16.40	H	4.37	9.58	21.62	145.21	30.00	-8.38	1/0
		1779.30	16.57	H	4.40	9.63	21.80	151.36	30.00	-8.20	1/0
	16-QAM	1710.70	16.60	H	4.31	9.47	21.75	149.62	30.00	-8.25	1/0
		1745.00	15.32	H	4.37	9.58	20.54	113.24	30.00	-9.46	1/0
		1779.30	15.73	H	4.40	9.63	20.96	124.74	30.00	-9.04	1/0

LTE Band 66 (ANT D)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
20	QPSK	1720.00	17.33	V	4.33	9.50	22.50	177.83	30.00	-7.50	1/0
		1745.00	17.89	V	4.37	9.58	23.11	204.64	30.00	-6.89	1/0
		1770.00	16.58	V	4.40	9.62	21.81	151.71	30.00	-8.19	1/0
	16-QAM	1720.00	16.56	V	4.33	9.50	21.73	148.94	30.00	-8.27	1/0
		1745.00	17.11	V	4.37	9.58	22.33	171.00	30.00	-7.67	1/0
		1770.00	15.78	V	4.40	9.62	21.01	126.18	30.00	-8.99	1/0
15	QPSK	1717.50	17.21	V	4.32	9.49	22.37	172.58	30.00	-7.63	1/37
		1745.00	17.72	V	4.37	9.58	22.94	196.79	30.00	-7.06	1/0
		1772.50	16.80	V	4.40	9.63	22.03	159.59	30.00	-7.97	1/0
	16-QAM	1717.50	16.48	V	4.32	9.49	21.64	145.88	30.00	-8.36	1/37
		1745.00	16.97	V	4.37	9.58	22.19	165.58	30.00	-7.81	1/0
		1772.50	16.01	V	4.40	9.63	21.24	133.05	30.00	-8.76	1/0
10	QPSK	1715.00	17.06	V	4.32	9.48	22.22	166.72	30.00	-7.78	1/0
		1745.00	17.68	V	4.37	9.58	22.90	194.98	30.00	-7.10	1/0
		1775.00	16.86	V	4.40	9.63	22.09	161.81	30.00	-7.91	1/0
	16-QAM	1715.00	16.15	V	4.32	9.48	21.31	135.21	30.00	-8.69	1/0
		1745.00	16.55	V	4.37	9.58	21.77	150.31	30.00	-8.23	1/0
		1775.00	15.94	V	4.40	9.63	21.17	130.92	30.00	-8.83	1/0
5	QPSK	1712.50	17.41	V	4.32	9.47	22.56	180.30	30.00	-7.44	1/0
		1745.00	17.81	V	4.37	9.58	23.03	200.91	30.00	-6.97	1/0
		1777.50	16.72	V	4.40	9.63	21.96	157.04	30.00	-8.04	1/0
	16-QAM	1712.50	16.61	V	4.32	9.47	21.76	149.97	30.00	-8.24	1/0
		1745.00	16.94	V	4.37	9.58	22.16	164.44	30.00	-7.84	1/0
		1777.50	15.91	V	4.40	9.63	21.15	130.32	30.00	-8.85	1/0
3	QPSK	1711.50	17.58	V	4.31	9.47	22.74	187.93	30.00	-7.26	1/8
		1745.00	17.70	V	4.37	9.58	22.92	195.88	30.00	-7.08	1/8
		1778.50	16.76	V	4.40	9.63	22.00	158.49	30.00	-8.00	1/8
	16-QAM	1711.50	16.64	V	4.31	9.47	21.80	151.36	30.00	-8.20	1/8
		1745.00	16.70	V	4.37	9.58	21.92	155.60	30.00	-8.08	1/8
		1778.50	15.77	V	4.40	9.63	21.01	126.18	30.00	-8.99	1/8
1.4	QPSK	1710.70	17.59	V	4.31	9.47	22.74	187.93	30.00	-7.26	1/0
		1745.00	17.57	V	4.37	9.58	22.79	190.11	30.00	-7.21	1/3
		1779.30	16.34	V	4.40	9.63	21.57	143.55	30.00	-8.43	1/0
	16-QAM	1710.70	16.76	V	4.31	9.47	21.91	155.24	30.00	-8.09	1/0
		1745.00	16.81	V	4.37	9.58	22.03	159.59	30.00	-7.97	1/3
		1779.30	15.49	V	4.40	9.63	20.72	118.03	30.00	-9.28	1/0

NR Band n41 (PC3) (ANT B)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
100	QPSK	2546.01	19.18	H	5.29	9.97	23.85	242.66	33.00	-9.15	1/271
		2592.99	19.02	H	5.34	9.90	23.58	228.03	33.00	-9.42	1/137
		2640.00	19.66	H	5.39	9.87	24.14	259.42	33.00	-8.86	1/1
	16-QAM	2546.01	18.17	H	5.29	9.97	22.84	192.31	33.00	-10.16	1/271
		2592.99	18.22	H	5.34	9.90	22.78	189.67	33.00	-10.22	1/137
		2640.00	18.76	H	5.39	9.87	23.24	210.86	33.00	-9.76	1/1
90	QPSK	2541.00	19.09	H	5.29	9.98	23.78	238.78	33.00	-9.22	1/1
		2592.99	17.72	H	5.34	9.90	22.28	169.04	33.00	-10.72	1/123
		2644.98	19.54	H	5.40	9.86	24.01	251.77	33.00	-8.99	1/1
	16-QAM	2541.00	18.42	H	5.29	9.98	23.11	204.64	33.00	-9.89	1/1
		2592.99	17.27	H	5.34	9.90	21.83	152.41	33.00	-11.17	1/123
		2644.98	18.60	H	5.40	9.86	23.07	202.77	33.00	-9.93	1/1
80	QPSK	2536.02	19.23	H	5.28	9.99	23.93	247.17	33.00	-9.07	1/215
		2592.99	19.00	H	5.34	9.90	23.56	226.99	33.00	-9.44	1/1
		2649.99	19.58	H	5.41	9.86	24.03	252.93	33.00	-8.97	1/1
	16-QAM	2536.02	18.23	H	5.28	9.99	22.93	196.34	33.00	-10.07	1/215
		2592.99	17.89	H	5.34	9.90	22.45	175.79	33.00	-10.55	1/1
		2649.99	18.90	H	5.41	9.86	23.35	216.27	33.00	-9.65	1/1
70	QPSK	2531.02	19.29	H	5.28	10.00	24.01	251.77	33.00	-8.99	1/1
		2593.99	19.07	H	5.34	9.90	23.63	230.67	33.00	-9.37	1/1
		2654.98	19.34	H	5.42	9.86	23.79	239.33	33.00	-9.21	1/1
	16-QAM	2531.02	18.33	H	5.28	10.00	23.05	201.84	33.00	-9.95	1/1
		2593.99	18.15	H	5.34	9.90	22.71	186.64	33.00	-10.29	1/1
		2654.98	18.35	H	5.42	9.86	22.80	190.55	33.00	-10.20	1/1
60	QPSK	2526.00	19.64	H	5.28	10.01	24.37	273.53	33.00	-8.63	1/1
		2592.99	19.27	H	5.34	9.90	23.83	241.55	33.00	-9.17	1/1
		2659.98	19.06	H	5.42	9.87	23.51	224.39	33.00	-9.49	1/1
	16-QAM	2526.00	19.22	H	5.28	10.01	23.95	248.31	33.00	-9.05	1/1
		2592.99	18.28	H	5.34	9.90	22.84	192.31	33.00	-10.16	1/1
		2659.98	18.09	H	5.42	9.87	22.54	179.47	33.00	-10.46	1/1
50	QPSK	2521.01	19.47	H	5.27	10.02	24.22	264.24	33.00	-8.78	1/131
		2592.99	19.54	H	5.34	9.90	24.10	257.04	33.00	-8.90	1/1
		2665.00	19.17	H	5.43	9.87	23.62	230.14	33.00	-9.38	1/131
	16-QAM	2521.01	18.34	H	5.27	10.02	23.09	203.70	33.00	-9.91	1/131
		2592.99	18.59	H	5.34	9.90	23.15	206.54	33.00	-9.85	1/1
		2665.00	18.17	H	5.43	9.87	22.62	182.81	33.00	-10.38	1/131
40	QPSK	2516.01	19.48	H	5.26	10.02	24.24	265.46	33.00	-8.76	1/104
		2592.99	19.56	H	5.34	9.90	24.12	258.23	33.00	-8.88	1/1
		2670.00	19.17	H	5.43	9.88	23.62	230.14	33.00	-9.38	1/104
	16-QAM	2516.01	18.54	H	5.26	10.02	23.30	213.80	33.00	-9.70	1/104
		2592.99	18.54	H	5.34	9.90	23.10	204.17	33.00	-9.90	1/1
		2670.00	18.36	H	5.43	9.88	22.81	190.99	33.00	-10.19	1/104
30	QPSK	2511.00	19.21	H	5.26	10.03	23.99	250.61	33.00	-9.01	1/76
		2592.99	19.38	H	5.34	9.90	23.94	247.74	33.00	-9.06	1/1
		2675.00	18.59	H	5.43	9.88	23.03	200.91	33.00	-9.97	1/76
	16-QAM	2511.00	18.22	H	5.26	10.03	23.00	199.53	33.00	-10.00	1/76
		2592.99	18.36	H	5.34	9.90	22.92	195.88	33.00	-10.08	1/1
		2675.00	18.12	H	5.43	9.88	22.56	180.30	33.00	-10.44	1/76
20	QPSK	2506.02	19.04	H	5.25	10.04	23.83	241.55	33.00	-9.17	1/49
		2592.99	19.57	H	5.34	9.90	24.13	258.82	33.00	-8.87	1/1
		2679.99	19.03	H	5.44	9.88	23.46	221.82	33.00	-9.54	1/49
	16-QAM	2506.02	18.10	H	5.25	10.04	22.89	194.54	33.00	-10.11	1/49
		2592.99	18.62	H	5.34	9.90	23.18	207.97	33.00	-9.82	1/1
		2679.99	18.07	H	5.44	9.88	22.50	177.83	33.00	-10.50	1/49
15	QPSK	2503.50	19.33	H	5.25	10.05	24.13	258.82	33.00	-8.87	1/1
		2592.99	19.38	H	5.34	9.90	23.94	247.74	33.00	-9.06	1/1
		2682.48	19.13	H	5.44	9.88	23.57	227.51	33.00	-9.43	1/36
	16-QAM	2503.50	18.34	H	5.25	10.05	23.14	206.06	33.00	-9.86	1/1
		2592.99	18.48	H	5.34	9.90	23.04	201.37	33.00	-9.96	1/1
		2682.48	18.22	H	5.44	9.88	22.66	184.50	33.00	-10.34	1/36
10	QPSK	2501.01	19.27	H	5.24	10.05	24.08	255.86	33.00	-8.92	1/1
		2592.99	19.27	H	5.34	9.90	23.83	241.55	33.00	-9.17	1/1
		2685.00	19.01	H	5.45	9.89	23.44	220.80	33.00	-9.56	1/1
	16-QAM	2501.01	18.26	H	5.24	10.05	23.07	202.77	33.00	-9.93	1/1
		2592.99	18.53	H	5.34	9.90	23.09	203.70	33.00	-9.91	1/1
		2685.00	18.02	H	5.45	9.89	22.45	175.79	33.00	-10.55	1/1

NR Band n41 (ANT D) (SRS1)

BW (MHz)	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)
10	2501.01	10.77	H	5.24	10.05	15.58	36.14	33.00	-17.42
	2592.99	14.79	H	5.34	9.90	19.35	86.10	33.00	-13.65
	2685.00	12.39	H	5.45	9.89	16.82	48.08	33.00	-16.18

NR Band n41 (ANT F) (SRS2)

BW (MHz)	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)
10	2501.01	15.65	V	5.24	10.05	20.05	101.06	33.00	-12.95
	2592.99	16.59	V	5.34	9.90	21.15	130.32	33.00	-11.85
	2685.00	13.61	V	5.45	9.89	18.05	63.83	33.00	-14.95

NR Band n41 (ANT C) (SRS3)

BW (MHz)	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)
10	2501.01	11.78	H	5.24	10.05	16.59	45.60	33.00	-16.41
	2592.99	14.47	H	5.34	9.90	19.03	79.98	33.00	-13.97
	2685.00	12.62	H	5.45	9.89	17.05	50.70	33.00	-15.95

NR Band n66 (ANT B)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
40	QPSK	1730.00	17.43	H	4.34	9.53	22.62	182.81	30.00	-7.38	1/1
		1745.00	17.78	H	4.37	9.58	23.00	199.53	30.00	-7.00	1/1
		1760.00	17.05	H	4.38	9.61	22.28	169.04	30.00	-7.72	1/108
	16-QAM	1730.00	16.61	H	4.34	9.53	21.80	151.36	30.00	-8.20	1/1
		1745.00	16.55	H	4.37	9.58	21.77	150.31	30.00	-8.23	1/1
		1760.00	15.92	H	4.38	9.61	21.15	130.32	30.00	-8.85	1/108
30	QPSK	1725.00	17.30	H	4.34	9.52	22.48	177.01	30.00	-7.52	1/1
		1745.00	17.09	H	4.37	9.58	22.31	170.22	30.00	-7.69	1/1
		1765.00	17.00	H	4.39	9.62	22.23	167.11	30.00	-7.77	1/80
	16-QAM	1725.00	16.10	H	4.34	9.52	21.28	134.28	30.00	-8.72	1/1
		1745.00	16.16	H	4.37	9.58	21.38	137.40	30.00	-8.62	1/1
		1765.00	15.65	H	4.39	9.62	20.88	122.46	30.00	-9.12	1/80
25	QPSK	1722.50	17.17	H	4.33	9.51	22.34	171.40	30.00	-7.66	1/1
		1745.00	16.75	H	4.37	9.58	21.97	157.40	30.00	-8.03	1/1
		1767.50	17.04	H	4.39	9.62	22.27	168.66	30.00	-7.73	1/131
	16-QAM	1722.50	16.11	H	4.33	9.51	21.28	134.28	30.00	-8.72	1/1
		1745.00	15.73	H	4.37	9.58	20.95	124.45	30.00	-9.05	1/1
		1767.50	16.05	H	4.39	9.62	21.28	134.28	30.00	-8.72	1/131
20	QPSK	1720.00	17.61	H	4.33	9.50	22.78	189.67	30.00	-7.22	1/1
		1745.00	16.53	H	4.37	9.58	21.75	149.62	30.00	-8.25	1/1
		1770.00	16.68	H	4.40	9.62	21.91	155.24	30.00	-8.09	1/1
	16-QAM	1720.00	16.78	H	4.33	9.50	21.95	156.68	30.00	-8.05	1/1
		1745.00	15.83	H	4.37	9.58	21.05	127.35	30.00	-8.95	1/1
		1770.00	15.66	H	4.40	9.62	20.89	122.74	30.00	-9.11	1/1
15	QPSK	1717.50	17.46	H	4.32	9.49	22.63	183.23	30.00	-7.37	1/1
		1745.00	16.99	H	4.37	9.58	22.21	166.34	30.00	-7.79	1/1
		1772.50	16.92	H	4.40	9.63	22.15	164.06	30.00	-7.85	1/1
	16-QAM	1717.50	16.58	H	4.32	9.49	21.75	149.62	30.00	-8.25	1/1
		1745.00	16.03	H	4.37	9.58	21.25	133.35	30.00	-8.75	1/1
		1772.50	15.89	H	4.40	9.63	21.12	129.42	30.00	-8.88	1/1
10	QPSK	1715.00	17.66	H	4.32	9.48	22.82	191.43	30.00	-7.18	1/1
		1745.00	16.80	H	4.37	9.58	22.02	159.22	30.00	-7.98	1/1
		1775.00	16.64	H	4.40	9.63	21.87	153.82	30.00	-8.13	1/1
	16-QAM	1715.00	16.85	H	4.32	9.48	22.01	158.85	30.00	-7.99	1/1
		1745.00	15.75	H	4.37	9.58	20.97	125.03	30.00	-9.03	1/1
		1775.00	15.76	H	4.40	9.63	20.99	125.60	30.00	-9.01	1/1
5	QPSK	1712.50	17.61	H	4.32	9.47	22.77	189.23	30.00	-7.23	1/1
		1745.00	16.31	H	4.37	9.58	21.53	142.23	30.00	-8.47	1/1
		1777.50	16.78	H	4.40	9.63	22.02	159.22	30.00	-7.98	1/1
	16-QAM	1712.50	16.52	H	4.32	9.47	21.68	147.23	30.00	-8.32	1/1
		1745.00	15.60	H	4.37	9.58	20.82	120.78	30.00	-9.18	1/1
		1777.50	15.80	H	4.40	9.63	21.04	127.06	30.00	-8.96	1/1

NR Band n66 (ANT D)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
40	QPSK	1730.00	18.67	H	4.34	9.53	23.86	243.22	30.00	-6.14	1/1
		1745.00	18.20	H	4.37	9.58	23.42	219.79	30.00	-6.58	1/1
		1760.00	17.94	H	4.38	9.61	23.17	207.49	30.00	-6.83	1/1
	16-QAM	1730.00	17.80	H	4.34	9.53	22.98	198.61	30.00	-7.02	1/1
		1745.00	17.24	H	4.37	9.58	22.45	175.79	30.00	-7.55	1/1
		1760.00	16.73	H	4.38	9.61	21.97	157.40	30.00	-8.03	1/1
30	QPSK	1725.00	18.32	H	4.34	9.52	23.50	223.87	30.00	-6.50	1/1
		1745.00	17.79	H	4.37	9.58	23.01	199.99	30.00	-6.99	1/1
		1765.00	17.51	H	4.39	9.62	22.74	187.93	30.00	-7.26	1/1
	16-QAM	1725.00	17.46	H	4.34	9.52	22.64	183.65	30.00	-7.36	1/1
		1745.00	17.22	H	4.37	9.58	22.43	174.98	30.00	-7.57	1/1
		1765.00	16.90	H	4.39	9.62	22.13	163.31	30.00	-7.87	1/1
25	QPSK	1722.50	18.63	H	4.33	9.51	23.81	240.44	30.00	-6.19	1/1
		1745.00	18.07	H	4.37	9.58	23.28	212.81	30.00	-6.72	1/1
		1767.50	17.18	H	4.39	9.62	22.41	174.18	30.00	-7.59	1/1
	16-QAM	1722.50	17.84	H	4.33	9.51	23.01	199.99	30.00	-6.99	1/1
		1745.00	17.13	H	4.37	9.58	22.35	171.79	30.00	-7.65	1/1
		1767.50	16.40	H	4.39	9.62	21.63	145.55	30.00	-8.37	1/1
20	QPSK	1720.00	18.40	H	4.33	9.50	23.58	228.03	30.00	-6.42	1/1
		1745.00	17.94	H	4.37	9.58	23.16	207.01	30.00	-6.84	1/1
		1770.00	17.21	H	4.40	9.62	22.44	175.39	30.00	-7.56	1/1
	16-QAM	1720.00	17.91	H	4.33	9.50	23.08	203.24	30.00	-6.92	1/1
		1745.00	16.98	H	4.37	9.58	22.20	165.96	30.00	-7.80	1/1
		1770.00	16.41	H	4.40	9.62	21.64	145.88	30.00	-8.36	1/1
15	QPSK	1717.50	18.33	H	4.32	9.49	23.49	223.36	30.00	-6.51	1/1
		1745.00	17.89	H	4.37	9.58	23.11	204.64	30.00	-6.89	1/1
		1772.50	17.01	H	4.40	9.63	22.24	167.49	30.00	-7.76	1/1
	16-QAM	1717.50	17.81	H	4.32	9.49	22.97	198.15	30.00	-7.03	1/1
		1745.00	17.21	H	4.37	9.58	22.43	174.98	30.00	-7.57	1/1
		1772.50	16.10	H	4.40	9.63	21.33	135.83	30.00	-8.67	1/1
10	QPSK	1715.00	18.38	H	4.32	9.48	23.55	226.46	30.00	-6.45	1/1
		1745.00	17.56	H	4.37	9.58	22.77	189.23	30.00	-7.23	1/1
		1775.00	16.55	H	4.40	9.63	21.78	150.66	30.00	-8.22	1/1
	16-QAM	1715.00	16.96	H	4.32	9.48	22.12	162.93	30.00	-7.88	1/1
		1745.00	16.56	H	4.37	9.58	21.78	150.66	30.00	-8.22	1/1
		1775.00	15.95	H	4.40	9.63	21.17	130.92	30.00	-8.83	1/1
5	QPSK	1712.50	18.16	H	4.32	9.47	23.31	214.29	30.00	-6.69	1/1
		1745.00	17.64	H	4.37	9.58	22.86	193.20	30.00	-7.14	1/13
		1777.50	15.82	H	4.40	9.63	21.05	127.35	30.00	-8.95	1/1
	16-QAM	1712.50	16.94	H	4.32	9.47	22.09	161.81	30.00	-7.91	1/1
		1745.00	16.68	H	4.37	9.58	21.90	154.88	30.00	-8.10	1/13
		1777.50	14.53	H	4.40	9.63	19.76	94.62	30.00	-10.24	1/1

NR Band n77(3450-3550 MHz) (PC2) (ANT E)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
100	QPSK	3499.98	22.97	H	6.22	10.94	27.68	586.14	30.00	-2.32	1/1
	16-QAM	3499.98	22.55	H	6.27	10.92	27.20	524.81	30.00	-2.80	1/1
90	QSK	3495.00	23.05	H	6.22	10.93	27.76	597.04	30.00	-2.24	1/1
		3499.98	22.80	H	6.22	10.94	27.51	563.64	30.00	-2.49	1/1
		3504.99	22.85	H	6.22	10.93	27.57	571.48	30.00	-2.43	1/1
		3495.00	22.65	H	6.22	10.93	27.36	544.50	30.00	-2.64	1/1
	16-QAM	3499.98	22.31	H	6.27	10.92	26.96	496.59	30.00	-3.04	1/1
		3504.99	22.16	H	6.22	10.93	26.88	487.53	30.00	-3.12	1/1
80	QPSK	3490.02	22.98	H	6.21	10.92	27.69	587.49	30.00	-2.31	1/1
		3499.98	22.81	H	6.22	10.94	27.52	564.94	30.00	-2.48	1/1
		3510.00	22.81	H	6.22	10.93	27.52	564.94	30.00	-2.48	1/1
	16-QAM	3490.02	22.34	H	6.21	10.92	27.05	506.99	30.00	-2.95	1/1
		3499.98	22.25	H	6.27	10.92	26.90	489.78	30.00	-3.10	1/1
		3510.00	22.20	H	6.22	10.93	26.91	490.91	30.00	-3.09	1/1
70	QPSK	3485.01	22.96	H	6.21	10.92	27.67	584.79	30.00	-2.33	1/1
		3499.98	22.78	H	6.22	10.94	27.49	561.05	30.00	-2.51	1/1
		3514.98	22.76	H	6.23	10.93	27.46	557.19	30.00	-2.54	1/1
	16-QAM	3485.01	22.79	H	6.21	10.92	27.50	562.34	30.00	-2.50	1/1
		3499.98	22.30	H	6.27	10.92	26.95	495.45	30.00	-3.05	1/1
		3514.98	22.09	H	6.23	10.93	26.79	477.53	30.00	-3.21	1/1
60	QPSK	3480.00	22.76	H	6.20	10.91	27.47	558.47	30.00	-2.53	1/1
		3499.98	22.76	H	6.22	10.94	27.47	558.47	30.00	-2.53	1/1
		3519.99	22.48	H	6.24	10.93	27.17	521.19	30.00	-2.83	1/1
	16-QAM	3480.00	22.74	H	6.20	10.91	27.45	555.90	30.00	-2.55	1/1
		3499.98	22.49	H	6.27	10.92	27.14	517.61	30.00	-2.86	1/1
		3514.98	21.67	H	6.24	10.93	26.36	432.51	30.00	-3.64	1/1
50	QPSK	3475.02	22.09	H	6.20	10.90	26.79	477.53	30.00	-3.21	1/1
		3499.98	21.90	H	6.22	10.94	26.61	458.14	30.00	-3.39	1/1
		3525.00	21.88	H	6.24	10.93	26.57	453.94	30.00	-3.43	1/67
	16-QAM	3475.02	21.59	H	6.20	10.90	26.29	425.60	30.00	-3.71	1/1
		3499.98	21.18	H	6.27	10.92	25.83	382.82	30.00	-4.17	1/1
		3525.00	21.21	H	6.24	10.93	25.89	388.15	30.00	-4.11	1/67
40	QPSK	3470.01	22.37	H	6.19	10.90	27.07	509.33	30.00	-2.93	1/1
		3499.98	22.18	H	6.22	10.94	26.89	488.65	30.00	-3.11	1/1
		3529.98	21.71	H	6.24	10.92	26.40	436.52	30.00	-3.60	1/53
	16-QAM	3470.01	22.05	H	6.19	10.90	26.75	473.15	30.00	-3.25	1/1
		3499.98	21.51	H	6.27	10.92	26.16	413.05	30.00	-3.84	1/1
		3529.98	21.21	H	6.24	10.92	25.90	389.05	30.00	-4.10	1/53
30	QPSK	3465.00	22.13	H	6.19	10.89	26.83	481.95	30.00	-3.17	1/1
		3499.98	21.91	H	6.22	10.94	26.62	459.20	30.00	-3.38	1/1
		3535.02	22.16	H	6.25	10.92	26.83	481.95	30.00	-3.17	1/1
	16-QAM	3465.00	21.65	H	6.19	10.89	26.35	431.52	30.00	-3.65	1/1
		3499.98	21.28	H	6.27	10.92	25.93	391.74	30.00	-4.07	1/1
		3535.02	21.53	H	6.25	10.92	26.20	416.87	30.00	-3.80	1/1
25	QPSK	3462.51	22.18	H	6.19	10.89	26.88	487.53	30.00	-3.12	1/1
		3499.98	22.18	H	6.22	10.94	26.89	488.65	30.00	-3.11	1/1
		3537.48	22.26	H	6.25	10.92	26.93	493.17	30.00	-3.07	1/1
	16-QAM	3462.51	21.48	H	6.19	10.89	26.18	414.95	30.00	-3.82	1/1
		3499.98	21.16	H	6.27	10.92	25.81	381.07	30.00	-4.19	1/1
		3537.48	21.69	H	6.25	10.92	26.36	432.51	30.00	-3.64	1/1
20	QPSK	3460.02	22.83	H	6.18	10.88	27.53	566.24	30.00	-2.47	1/1
		3499.98	22.05	H	6.22	10.94	26.76	474.24	30.00	-3.24	1/1
		3540.00	22.14	H	6.25	10.92	26.81	479.73	30.00	-3.19	1/26
	16-QAM	3460.02	21.96	H	6.18	10.88	26.66	463.45	30.00	-3.34	1/1
		3499.98	21.47	H	6.27	10.92	26.12	409.26	30.00	-3.88	1/1
		3540.00	21.42	H	6.25	10.92	26.09	406.44	30.00	-3.91	1/26
15	QPSK	3457.50	22.36	H	6.18	10.88	27.06	508.16	30.00	-2.94	1/1
		3499.98	21.98	H	6.22	10.94	26.69	466.66	30.00	-3.31	1/19
		3542.49	22.11	H	6.26	10.92	26.77	475.34	30.00	-3.23	1/19
	16-QAM	3457.50	21.74	H	6.18	10.88	26.44	440.55	30.00	-3.56	1/1
		3499.98	21.10	H	6.27	10.92	25.75	375.84	30.00	-4.25	1/19
		3542.49	21.34	H	6.26	10.92	26.00	398.11	30.00	-4.00	1/19
10	QPSK	3455.01	21.51	H	6.18	10.88	26.21	417.83	30.00	-3.79	1/1
		3499.98	21.43	H	6.22	10.94	26.14	411.15	30.00	-3.86	1/1
		3544.98	21.60	H	6.26	10.92	26.26	422.67	30.00	-3.74	1/1
	16-QAM	3455.01	21.21	H	6.18	10.88	25.91	389.94	30.00	-4.09	1/1
		3499.98	21.38	H	6.27	10.92	26.03	400.87	30.00	-3.97	1/1
		3544.98	21.46	H	6.26	10.92	26.12	409.26	30.00	-3.88	1/1

NR Band n77(3450-3550 MHz) (ANT B) (SRS1)

BW (MHz)	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)
10	3455.01	11.04	H	6.18	10.59	15.45	35.08	30.00	-14.55
	3499.98	10.31	H	6.22	10.67	14.76	29.92	30.00	-15.24
	3544.98	10.29	H	6.26	10.70	14.73	29.72	30.00	-15.27

NR Band n77(3450-3550 MHz) (ANT G) (SRS2)

BW (MHz)	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)
10	3455.01	19.15	H	6.18	10.59	23.56	226.99	30.00	-6.44
	3499.98	18.64	H	6.22	10.67	23.09	203.70	30.00	-6.91
	3544.98	18.13	H	6.26	10.70	22.57	180.72	30.00	-7.43

NR Band n77(3450-3550 MHz) (ANT H) (SRS3)

BW (MHz)	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)
20	3460.02	6.93	H	6.18	10.60	11.34	13.61	30.00	-18.66
	3499.98	8.06	H	6.22	10.67	12.51	17.82	30.00	-17.49
	3540.00	8.25	H	6.25	10.70	12.69	18.58	30.00	-17.31

NR Band n77(3700-3980 MHz) (PC2) (ANT E)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
100	QPSK	3750.00	21.84	H	6.44	10.78	26.18	414.95	30.00	-3.82	1/1
		3840.00	21.14	V	6.52	10.68	25.30	338.84	30.00	-4.70	1/1
		3930.00	20.47	V	6.60	10.61	24.48	280.54	30.00	-5.52	1/1
	16-QAM	3750.00	20.77	H	6.44	10.78	25.11	324.34	30.00	-4.89	1/1
		3840.00	20.12	V	6.52	10.68	24.29	268.53	30.00	-5.71	1/1
		3930.00	19.59	V	6.60	10.61	22.69	185.78	30.00	-7.31	1/1
90	QPSK	3745.02	21.57	H	6.44	10.78	25.91	389.94	30.00	-4.09	1/1
		3840.00	20.98	V	6.52	10.68	25.14	326.59	30.00	-4.86	1/1
		3934.98	20.63	V	6.60	10.60	24.63	290.40	30.00	-5.37	1/1
	16-QAM	3745.02	20.65	H	6.44	10.78	25.00	316.23	30.00	-5.00	1/1
		3840.00	20.03	V	6.52	10.68	24.19	262.42	30.00	-5.81	1/1
		3934.98	19.67	V	6.60	10.60	23.67	232.81	30.00	-6.33	1/1
80	QPSK	3740.01	21.92	H	6.44	10.78	26.26	422.67	30.00	-3.74	1/1
		3840.00	21.33	V	6.52	10.68	25.50	354.81	30.00	-4.50	1/1
		3939.99	20.13	V	6.60	10.59	24.11	257.63	30.00	-5.89	1/1
	16-QAM	3740.01	21.01	H	6.44	10.78	25.35	342.77	30.00	-4.65	1/1
		3840.00	20.29	V	6.52	10.68	24.46	279.25	30.00	-5.54	1/1
		3939.99	19.11	V	6.60	10.59	23.10	204.17	30.00	-6.90	1/1
70	QPSK	3735.00	21.64	H	6.43	10.78	25.99	397.19	30.00	-4.01	1/1
		3840.00	21.09	V	6.52	10.68	25.25	334.97	30.00	-4.75	1/1
		3945.00	19.53	V	6.61	10.58	23.50	223.87	30.00	-6.50	1/1
	16-QAM	3735.00	20.78	H	6.43	10.78	25.13	325.84	30.00	-4.87	1/1
		3840.00	19.95	V	6.52	10.68	24.11	257.63	30.00	-5.89	1/1
		3945.00	18.61	V	6.61	10.58	22.58	181.13	30.00	-7.42	1/1
60	QPSK	3730.02	21.78	H	6.43	10.78	26.13	410.20	30.00	-3.87	1/1
		3840.00	21.08	V	6.52	10.68	25.24	334.20	30.00	-4.76	1/1
		3949.98	19.66	V	6.61	10.57	23.62	230.14	30.00	-6.38	1/1
	16-QAM	3730.02	20.74	H	6.43	10.78	25.09	322.85	30.00	-4.91	1/1
		3840.00	19.65	V	6.52	10.68	23.81	240.44	30.00	-6.19	1/1
		3949.98	19.12	V	6.61	10.57	23.08	203.24	30.00	-6.92	1/1
50	QPSK	3725.01	21.82	H	6.42	10.78	26.18	414.95	30.00	-3.82	1/1
		3840.00	21.08	V	6.52	10.68	25.24	334.20	30.00	-4.76	1/1
		3954.99	19.87	V	6.62	10.57	23.83	241.55	30.00	-6.17	1/1
	16-QAM	3725.01	20.75	H	6.42	10.78	25.11	324.34	30.00	-4.89	1/1
		3840.00	20.16	V	6.52	10.68	24.32	270.40	30.00	-5.68	1/1
		3954.99	18.82	V	6.62	10.57	22.78	189.67	30.00	-7.22	1/1
40	QPSK	3720.02	22.51	H	6.42	10.78	26.87	486.41	30.00	-3.13	1/1
		3840.00	21.52	V	6.52	10.68	25.68	369.83	30.00	-4.32	1/1
		3960.00	20.19	V	6.62	10.58	24.15	260.02	30.00	-5.85	1/1
	16-QAM	3720.02	21.62	H	6.42	10.78	25.98	396.28	30.00	-4.02	1/1
		3840.00	20.91	V	6.52	10.68	25.07	321.37	30.00	-4.93	1/1
		3960.00	19.69	V	6.62	10.58	23.65	231.74	30.00	-6.35	1/1
30	QPSK	3715.02	22.08	H	6.41	10.78	26.45	441.57	30.00	-3.55	1/1
		3840.00	21.14	V	6.52	10.68	25.30	338.84	30.00	-4.70	1/1
		3964.98	19.86	V	6.63	10.58	23.82	240.99	30.00	-6.18	1/1
	16-QAM	3715.02	21.07	H	6.41	10.78	25.44	349.95	30.00	-4.56	1/1
		3840.00	20.33	V	6.52	10.68	24.49	281.19	30.00	-5.51	1/1
		3964.98	18.74	V	6.63	10.58	22.70	186.21	30.00	-7.30	1/1
25	QPSK	3712.50	22.04	H	6.41	10.78	26.41	437.52	30.00	-3.59	1/1
		3840.00	21.21	V	6.52	10.68	25.37	344.35	30.00	-4.63	1/1
		3967.50	19.59	V	6.63	10.59	23.54	225.94	30.00	-6.46	1/1
	16-QAM	3710.01	21.04	H	6.41	10.78	25.41	347.54	30.00	-4.59	1/1
		3840.00	20.31	V	6.52	10.68	24.47	279.90	30.00	-5.53	1/1
		3969.99	18.54	V	6.63	10.59	22.49	177.42	30.00	-7.51	1/1
20	QPSK	3710.01	21.99	H	6.41	10.78	26.36	432.51	30.00	-3.64	1/1
		3840.00	21.13	V	6.52	10.68	25.29	338.06	30.00	-4.71	1/1
		3969.99	19.50	V	6.63	10.59	23.46	221.82	30.00	-6.54	1/1
	16-QAM	3710.01	20.52	H	6.41	10.78	24.89	308.32	30.00	-5.11	1/1
		3840.00	20.13	V	6.52	10.68	24.29	268.53	30.00	-5.71	1/1
		3969.99	18.40	V	6.63	10.59	22.36	172.19	30.00	-7.64	1/1
15	QPSK	3707.52	21.87	H	6.41	10.78	26.24	420.73	30.00	-3.76	1/1
		3840.00	21.05	V	6.52	10.68	25.21	331.89	30.00	-4.79	1/1
		3972.48	19.49	V	6.63	10.59	23.45	221.31	30.00	-6.55	1/1
	16-QAM	3707.52	20.85	H	6.41	10.78	25.22	332.66	30.00	-4.78	1/1
		3840.00	19.99	V	6.52	10.68	24.15	260.02	30.00	-5.85	1/1
		3972.48	18.69	V	6.63	10.59	22.65	184.08	30.00	-7.35	1/1
10	QPSK	3705.00	21.73	H	6.40	10.78	26.11	408.32	30.00	-3.89	1/1
		3840.00	20.98	V	6.52	10.68	25.14	326.59	30.00	-4.86	1/1
		3975.00	19.22	V	6.64	10.59	23.17	207.49	30.00	-6.83	1/1
	16-QAM	3705.00	20.33	H	6.40	10.78	24.71	295.80	30.00	-5.29	1/1
		3840.00	19.85	V	6.52	10.68	24.01	251.77	30.00	-5.99	1/1
		3975.00	17.98	V	6.64	10.59	21.93	155.96	30.00	-8.07	1/1

NR Band n77(3700-3980 MHz) (ANT B) (SRS1)

BW (MHz)	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)
20	3710.01	12.17	H	6.41	10.78	16.54	45.08	30.00	-13.46
	3840.00	11.04	H	6.52	10.68	15.20	33.11	30.00	-14.80
	3969.99	9.66	V	6.63	10.59	13.62	23.01	30.00	-16.38

NR Band n77(3700-3980 MHz) (ANT G) (SRS2)

BW (MHz)	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)
70	3735.00	14.61	H	6.43	10.78	18.86	76.91	30.00	-11.04
	3840.00	11.62	H	6.52	10.68	15.78	37.84	30.00	-14.22
	3945.00	11.57	H	6.61	10.58	15.54	35.81	30.00	-14.46

NR Band n77(3700-3980 MHz) (ANT H) (SRS3)

BW (MHz)	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)
90	3750.00	11.91	H	6.44	10.78	16.25	42.17	30.00	-13.75
	3840.00	11.27	V	6.52	10.68	15.43	34.91	30.00	-14.57
	3930.00	9.69	V	6.60	10.61	13.70	23.44	30.00	-16.30

9.2. RADIATED SPURIOUS EMISSION

RULE PART(S)

FCC: §2.1053, §27. 53

LIMIT

Part 27.53:

(c)(2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB.

(g) For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log (P)$ dB.

(h) The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10} (P)$ dB.

(m) (4) For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

(l)(2) For mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (l)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

(n)(2) For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

TEST PROCEDURE

ANSI / TIA / EIA 603 E Clause 2.2.12; ESU40 setting reference to 971168 D01 v03r01

For peak power measurement with a ESU40:

- a) Set the RBW = 100 kHz for emission below 1 GHz and 1 MHz for emissions above 1 GHz
- b) Set VBW $\geq 3 \times$ RBW;
- c) Set span ≥ 1.5 times the OBW;
- d) Sweep time = auto couple;
- e) Detector = rms;
- f) Ensure that the number of measurement points $\geq$ span/RBW;
- g) Trace Mode = average(WCDMA, LTE FDD, 5G NR FDD), Maxhold(LTE TDD, 5G NR TDD);

NOTE1

UMTS: It was tested at REL 99 as worst case (the highest output power and density).

LTE: It was tested at 1RB QPSK as worst case (the highest output power and density).

5G NR: All Waveforms (CP-OFDM vs DFT-s_OFDM) and modulations ($\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM) were investigated to determine the worst case configuration. All Modes of operation were investigated and the worst case configuration results are reported in this section.

NOTE2

Please refer to section 5.4 for bandwidth and RB setting about LTE, 5G NR bands.

RESULTS

See the following pages.

9.2.1. SPURIOUS RADIATION RESULT

WCDMA Band 4

REL99

UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: Samsung

Project #: 4791547073

Date: 2024-11-19

Test Engineer: 27089

Configuration: EUT / AC Adapter, X-Position

Location: Chamber 1

Mode: Rel99 Band 4 Harmonics

Test Votage: AC 120 V, 60 Hz

f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1712.4MHz									
3424.80	-8.6	V	3.0	43.9	1.0	-51.5	-13.0	-38.5	
5137.20	-7.4	V	3.0	44.6	1.0	-51.0	-13.0	-38.0	
6849.60	-4.7	V	3.0	45.0	1.0	-48.8	-13.0	-35.8	
3424.80	-8.5	H	3.0	43.9	1.0	-51.5	-13.0	-38.5	
5137.20	-7.5	H	3.0	44.6	1.0	-51.1	-13.0	-38.1	
6849.60	-4.6	H	3.0	45.0	1.0	-48.7	-13.0	-35.7	
Mid Ch, 1732.6MHz									
3465.20	-8.3	V	3.0	44.0	1.0	-51.3	-13.0	-38.3	
5197.80	-7.2	V	3.0	44.6	1.0	-50.8	-13.0	-37.8	
6930.40	-4.5	V	3.0	45.1	1.0	-48.6	-13.0	-35.6	
3465.20	-8.3	H	3.0	44.0	1.0	-51.2	-13.0	-38.2	
5197.80	-7.3	H	3.0	44.6	1.0	-50.9	-13.0	-37.9	
6930.40	-4.3	H	3.0	45.1	1.0	-48.4	-13.0	-35.4	
High Ch, 1752.6MHz									
3505.20	-8.1	V	3.0	44.0	1.0	-51.1	-13.0	-38.1	
5257.80	-7.2	V	3.0	44.6	1.0	-50.8	-13.0	-37.8	
7010.40	-4.2	V	3.0	45.1	1.0	-48.3	-13.0	-35.3	
3505.20	-8.2	H	3.0	44.0	1.0	-51.2	-13.0	-38.2	
5257.80	-7.3	H	3.0	44.6	1.0	-50.9	-13.0	-37.9	
7010.40	-4.1	H	3.0	45.1	1.0	-48.2	-13.0	-35.2	

LTE Band 12

10 MHz QPSK ANT A	1 UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4791547073 Date: 2024-11-16 Test Engineer: 26087 Configuration: EUT / AC Adapter, X-Position Location: Chamber 1 Mode: LTE_QPSK Band 12 Harmonics, 10MHz Bandwidth Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 704MHz									
	1408.00	-16.3	V	3.0	43.0	1.0	-58.3	-13.0	-45.3	
	2112.00	-13.4	V	3.0	44.0	1.0	-56.4	-13.0	-43.4	
	2816.00	-10.9	V	3.0	43.5	1.0	-53.4	-13.0	-40.4	
	1408.00	-16.5	H	3.0	43.0	1.0	-58.5	-13.0	-45.5	
	2112.00	-14.2	H	3.0	44.0	1.0	-57.3	-13.0	-44.3	
	2816.00	-11.1	H	3.0	43.5	1.0	-53.6	-13.0	-40.6	
	Mid Ch, 707.5MHz									
	1415.00	-14.8	V	3.0	43.0	1.0	-56.8	-13.0	-43.8	
	2122.50	-13.5	V	3.0	44.0	1.0	-56.5	-13.0	-43.5	
	2830.00	-10.8	V	3.0	43.5	1.0	-53.3	-13.0	-40.3	
	1415.00	-13.4	H	3.0	43.0	1.0	-55.4	-13.0	-42.4	
	2122.50	-14.2	H	3.0	44.0	1.0	-57.2	-13.0	-44.2	
	2830.00	-11.0	H	3.0	43.5	1.0	-53.5	-13.0	-40.5	
	High Ch, 711MHz									
	1422.00	-15.2	V	3.0	43.0	1.0	-57.2	-13.0	-44.2	
	2133.00	-13.5	V	3.0	44.0	1.0	-56.5	-13.0	-43.5	
	2844.00	-10.8	V	3.0	43.5	1.0	-53.3	-13.0	-40.3	
	1422.00	-14.2	H	3.0	43.0	1.0	-56.2	-13.0	-43.2	
	2133.00	-14.2	H	3.0	44.0	1.0	-57.2	-13.0	-44.2	
	2844.00	-11.0	H	3.0	43.5	1.0	-53.5	-13.0	-40.5	

LTE Band 13

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:		Samsung							
Project #:		4791547073							
Date:		2024-12-24							
Test Engineer:		27089							
Configuration:		EUT / AC Adapter, X-Position							
Location:		Chamber 1							
Mode:		LTE_QPSK Band 13 Harmonics, 5MHz Bandwidth							
Test Votage:		AC 120 V, 60 Hz							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 779.5MHz									
1559.00	-24.0	V	3.0	43.3	1.0	-66.3	-40.0	-26.3	
2338.50	-12.2	V	3.0	43.9	1.0	-55.0	-13.0	-42.0	
3118.00	-9.8	V	3.0	43.5	1.0	-52.4	-13.0	-39.4	
1559.00	-23.4	H	3.0	43.3	1.0	-65.7	-40.0	-25.7	
2338.50	-12.7	H	3.0	43.9	1.0	-55.6	-13.0	-42.6	
3118.00	-9.8	H	3.0	43.5	1.0	-52.3	-13.0	-39.3	
Mid Ch, 782MHz									
1564.00	-23.4	V	3.0	43.3	1.0	-65.7	-40.0	-25.7	
2346.00	-12.2	V	3.0	43.9	1.0	-55.1	-13.0	-42.1	
3128.00	-9.7	V	3.0	43.5	1.0	-52.2	-13.0	-39.2	
1564.00	-23.1	H	3.0	43.3	1.0	-65.4	-40.0	-25.4	
2346.00	-12.7	H	3.0	43.9	1.0	-55.6	-13.0	-42.6	
3128.00	-9.6	H	3.0	43.5	1.0	-52.2	-13.0	-39.2	
High Ch, 784.5MHz									
1569.00	-23.5	V	3.0	43.3	1.0	-65.8	-40.0	-25.8	
2353.50	-12.2	V	3.0	43.9	1.0	-55.0	-13.0	-42.0	
3138.00	-9.7	V	3.0	43.6	1.0	-52.2	-13.0	-39.2	
1569.00	-23.5	H	3.0	43.3	1.0	-65.8	-40.0	-25.8	
2353.50	-12.7	H	3.0	43.9	1.0	-55.5	-13.0	-42.5	
3138.00	-9.8	H	3.0	43.6	1.0	-52.4	-13.0	-39.4	

LTE Band 41(PC3)

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement										
10 MHz QPSK ANT B	Company: Samsung Project #: 4791547073 Date: 2024-11-21 Test Engineer: 28775 Configuration: EUT / AC Adapter, Z-Position Location: Chamber 2 Mode: LTE_QPSK Band 41 Harmonics, 10MHz Bandwidth Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 2501MHz									
	5002.00	1.2	V	3.0	43.3	1.0	-41.0	-25.0	-16.0	
	7503.00	5.0	V	3.0	42.9	1.0	-36.9	-25.0	-11.9	
	10004.00	-2.0	V	3.0	41.6	1.0	-42.6	-25.0	-17.6	
	5002.00	3.4	H	3.0	43.3	1.0	-38.9	-25.0	-13.9	
	7503.00	0.4	H	3.0	42.9	1.0	-41.5	-25.0	-16.5	
	10004.00	-2.4	H	3.0	41.6	1.0	-43.0	-25.0	-18.0	
	Mid Ch, 2593MHz									
	5186.00	-3.7	V	3.0	43.3	1.0	-46.0	-25.0	-21.0	
	7779.00	6.6	V	3.0	42.8	1.0	-35.1	-25.0	-10.1	
	10372.00	-3.5	V	3.0	41.3	1.0	-43.7	-25.0	-18.7	
	5186.00	-4.1	H	3.0	43.3	1.0	-46.4	-25.0	-21.4	
	7779.00	3.1	H	3.0	42.8	1.0	-38.7	-25.0	-13.7	
	10372.00	-4.5	H	3.0	41.3	1.0	-44.8	-25.0	-19.8	
	High Ch, 2685MHz									
	5370.00	-3.5	V	3.0	43.4	1.0	-45.9	-25.0	-20.9	
	8055.00	7.1	V	3.0	42.6	1.0	-34.5	-25.0	-9.5	
	10740.00	3.3	V	3.0	40.9	1.0	-36.6	-25.0	-11.6	
	5370.00	-3.9	H	3.0	43.4	1.0	-46.3	-25.0	-21.3	
	8055.00	1.2	H	3.0	42.6	1.0	-40.3	-25.0	-15.3	
	10740.00	4.6	H	3.0	40.9	1.0	-35.3	-25.0	-10.3	
10 MHz QPSK ANT D	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung Project #: 4791547073 Date: 2024-12-30 Test Engineer: 26087 Configuration: EUT / AC Adapter, Z-Position Location: Chamber 1 Mode: LTE_QPSK Band 41 Harmonics, 10MHz Bandwidth Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 2501MHz									
	5002.00	-17.3	V	3.0	44.6	1.0	-60.8	-25.0	-35.8	
	7503.00	-14.6	V	3.0	44.7	1.0	-58.4	-25.0	-33.4	
	10004.00	-12.3	V	3.0	42.9	1.0	-54.1	-25.0	-29.1	
	5002.00	-17.4	H	3.0	44.6	1.0	-61.0	-25.0	-36.0	
	7503.00	-14.6	H	3.0	44.7	1.0	-58.4	-25.0	-33.4	
	10004.00	-11.4	H	3.0	42.9	1.0	-53.3	-25.0	-28.3	
	Mid Ch, 2593MHz									
	5186.00	-17.3	V	3.0	44.6	1.0	-60.9	-25.0	-35.9	
	7779.00	-14.6	V	3.0	44.5	1.0	-58.2	-25.0	-33.2	
	10372.00	-10.4	V	3.0	42.9	1.0	-52.3	-25.0	-27.3	
	5186.00	-17.0	H	3.0	44.6	1.0	-60.6	-25.0	-35.6	
	7779.00	-14.9	H	3.0	44.5	1.0	-58.4	-25.0	-33.4	
	10372.00	-7.5	H	3.0	42.9	1.0	-49.4	-25.0	-24.4	
	High Ch, 2685MHz									
	5370.00	-13.9	V	3.0	44.6	1.0	-57.5	-25.0	-32.5	
	8055.00	-14.2	V	3.0	44.4	1.0	-57.6	-25.0	-32.6	
	10740.00	6.4	V	3.0	42.9	1.0	-35.5	-25.0	-10.5	
	5370.00	-11.5	H	3.0	44.6	1.0	-55.1	-25.0	-30.1	
	8055.00	-14.4	H	3.0	44.4	1.0	-57.8	-25.0	-32.8	
	10740.00	5.2	H	3.0	42.9	1.0	-36.7	-25.0	-11.7	

LTE Band 66

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement										
1.4 MHz QPSK ANT B	Company: Samsung Project #: 4791547073 Date: 2024-11-20 Test Engineer: 27089 Configuration: EUT / AC Adapter, Z-Position Location: Chamber 1 Mode: LTE_QPSK Band 66 Harmonics, 1.4MHz Bandwidth Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 1710.7MHz									
	3421.40	-9.0	V	3.0	43.9	1.0	-51.9	-13.0	-38.9	
	5132.10	-7.6	V	3.0	44.6	1.0	-51.2	-13.0	-38.2	
	6842.80	-4.4	V	3.0	45.0	1.0	-48.5	-13.0	-35.5	
	3421.40	-9.0	H	3.0	43.9	1.0	-51.9	-13.0	-38.9	
	5132.10	-7.6	H	3.0	44.6	1.0	-51.2	-13.0	-38.2	
	6842.80	-4.6	H	3.0	45.0	1.0	-48.6	-13.0	-35.6	
	Mid Ch, 1745MHz									
	3490.00	-8.5	V	3.0	44.0	1.0	-51.5	-13.0	-38.5	
	5235.00	-7.2	V	3.0	44.6	1.0	-50.8	-13.0	-37.8	
	6980.00	-4.2	V	3.0	45.1	1.0	-48.3	-13.0	-35.3	
	3490.00	-8.6	H	3.0	44.0	1.0	-51.6	-13.0	-38.6	
	5235.00	-7.3	H	3.0	44.6	1.0	-50.9	-13.0	-37.9	
	6980.00	-3.7	H	3.0	45.1	1.0	-47.8	-13.0	-34.8	
	High Ch, 1779.3MHz									
	3558.60	-8.1	V	3.0	44.1	1.0	-51.2	-13.0	-38.2	
	5337.90	-7.0	V	3.0	44.6	1.0	-50.6	-13.0	-37.6	
	7117.20	-3.7	V	3.0	45.0	1.0	-47.7	-13.0	-34.7	
	3558.60	-8.1	H	3.0	44.1	1.0	-51.2	-13.0	-38.2	
	5337.90	-7.1	H	3.0	44.6	1.0	-50.7	-13.0	-37.7	
	7117.20	-3.6	H	3.0	45.0	1.0	-47.7	-13.0	-34.7	
20 MHz QPSK ANT D	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung Project #: 4791547073 Date: 2024-11-19 Test Engineer: 27089 Configuration: EUT / AC Adapter, Z-Position Location: Chamber 1 Mode: LTE_QPSK Band 66 Harmonics, 20MHz Bandwidth Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 1720MHz									
	3440.00	-8.5	V	3.0	43.9	1.0	-51.4	-13.0	-38.4	
	5160.00	-0.1	V	3.0	44.6	1.0	-43.7	-13.0	-30.7	
	6880.00	-2.4	V	3.0	45.1	1.0	-46.5	-13.0	-33.5	
	3440.00	-8.6	H	3.0	43.9	1.0	-51.5	-13.0	-38.5	
	5160.00	1.1	H	3.0	44.6	1.0	-42.5	-13.0	-29.5	
	6880.00	-1.1	H	3.0	45.1	1.0	-45.2	-13.0	-32.2	
	Mid Ch, 1745MHz									
	3490.00	-8.4	V	3.0	44.0	1.0	-51.3	-13.0	-38.3	
	5235.00	1.8	V	3.0	44.6	1.0	-41.8	-13.0	-28.8	
	6980.00	-3.5	V	3.0	45.1	1.0	-47.6	-13.0	-34.6	
	3490.00	-8.3	H	3.0	44.0	1.0	-51.3	-13.0	-38.3	
	5235.00	3.4	H	3.0	44.6	1.0	-40.2	-13.0	-27.2	
	6980.00	-2.1	H	3.0	45.1	1.0	-46.2	-13.0	-33.2	
	High Ch, 1770MHz									
	3540.00	-8.0	V	3.0	44.0	1.0	-51.1	-13.0	-38.1	
	5310.00	2.9	V	3.0	44.6	1.0	-40.7	-13.0	-27.7	
	7080.00	-2.8	V	3.0	45.1	1.0	-46.8	-13.0	-33.8	
	3540.00	-7.9	H	3.0	44.0	1.0	-51.0	-13.0	-38.0	
	5310.00	4.0	H	3.0	44.6	1.0	-39.6	-13.0	-26.6	
	7080.00	-1.0	H	3.0	45.1	1.0	-45.1	-13.0	-32.1	

NR Band n41

60 MHz QPSK ANT B	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung									
	Project #: 4791547073									
	Date: 2024-12-26									
	Test Engineer: 24542									
	Configuration: EUT / X-Position									
	Location: Chamber 2									
	Mode: 5G NR_QPSK NR n41 Harmonics, 60MHz Bandwidth									
	Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 2526.01MHz									
	5052.02	-14.7	V	3.0	43.3	1.0	-56.9	-25.0	-31.9	
	7578.03	-13.9	V	3.0	42.9	1.0	-55.8	-25.0	-30.8	
	10104.04	-1.9	V	3.0	41.5	1.0	-42.4	-25.0	-17.4	
	5052.02	-15.3	H	3.0	43.3	1.0	-57.6	-25.0	-32.6	
	7578.03	-14.3	H	3.0	42.9	1.0	-56.2	-25.0	-31.2	
	10104.04	-6.6	H	3.0	41.5	1.0	-47.1	-25.0	-22.1	
	Mid Ch, 2592.99MHz									
	5185.98	-15.2	V	3.0	43.3	1.0	-57.5	-25.0	-32.5	
	7778.97	-14.1	V	3.0	42.8	1.0	-55.9	-25.0	-30.9	
	10371.96	-0.5	V	3.0	41.3	1.0	-40.8	-25.0	-15.8	
	5185.98	-15.0	H	3.0	43.3	1.0	-57.3	-25.0	-32.3	
	7778.97	-13.9	H	3.0	42.8	1.0	-55.7	-25.0	-30.7	
	10371.96	-6.3	H	3.0	41.3	1.0	-46.6	-25.0	-21.6	
High Ch, 2660MHz										
5320.00	-18.0	V	3.0	43.3	1.0	-60.3	-25.0	-35.3		
7980.00	-14.1	V	3.0	42.6	1.0	-55.7	-25.0	-30.7		
10640.00	0.4	V	3.0	41.0	1.0	-39.6	-25.0	-14.6		
5320.00	-15.0	H	3.0	43.3	1.0	-57.3	-25.0	-32.3		
7980.00	-13.7	H	3.0	42.6	1.0	-55.3	-25.0	-30.3		
10640.00	-4.9	H	3.0	41.0	1.0	-44.9	-25.0	-19.9		
10 MHz QPSK ANT D SRS1	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung									
	Project #: 4791547073									
	Date: 2024-12-27									
	Test Engineer: 28183									
	Configuration: EUT / X-Position									
	Location: Chamber 1									
	Mode: 5G NR n41(SRS) Harmonics, 10MHz Bandwidth									
	Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 2501.01MHz									
	5002.02	-17.9	V	3.0	44.6	1.0	-61.5	-25.0	-36.5	
	7503.03	-15.4	V	3.0	44.7	1.0	-59.2	-25.0	-34.2	
	10004.04	-1.9	V	3.0	42.9	1.0	-43.8	-25.0	-18.8	
	5002.02	-18.2	H	3.0	44.6	1.0	-61.7	-25.0	-36.7	
	7503.03	-15.5	H	3.0	44.7	1.0	-59.3	-25.0	-34.3	
	10004.04	-7.0	H	3.0	42.9	1.0	-48.9	-25.0	-23.9	
	Mid Ch, 2592.99MHz									
	5185.98	-16.6	V	3.0	44.6	1.0	-60.2	-25.0	-35.2	
	7778.97	-15.4	V	3.0	44.5	1.0	-58.9	-25.0	-33.9	
	10371.96	1.7	V	3.0	42.9	1.0	-40.2	-25.0	-15.2	
	5185.98	-17.2	H	3.0	44.6	1.0	-60.8	-25.0	-35.8	
	7778.97	-15.4	H	3.0	44.5	1.0	-59.0	-25.0	-34.0	
	10371.96	-3.5	H	3.0	42.9	1.0	-45.4	-25.0	-20.4	
High Ch, 2685MHz										
5370.00	-15.3	V	3.0	44.6	1.0	-58.9	-25.0	-33.9		
8055.00	-15.2	V	3.0	44.4	1.0	-58.6	-25.0	-33.6		
10740.00	0.8	V	3.0	42.9	1.0	-41.0	-25.0	-16.0		
5370.00	-15.6	H	3.0	44.6	1.0	-59.2	-25.0	-34.2		
8055.00	-15.3	H	3.0	44.4	1.0	-58.7	-25.0	-33.7		
10740.00	-4.2	H	3.0	42.9	1.0	-46.1	-25.0	-21.1		

10 MHz QPSK ANT F SRS2	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung									
	Project #: 4791547073									
	Date: 2024-12-27									
	Test Engineer: 26087									
	Configuration: EUT / X-Position									
	Location: Chamber 1									
	Mode: 5G NR n41(SRS) Harmonics, 10MHz Bandwidth									
	Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 2501.01MHz									
	5002.02	-18.1	V	3.0	44.6	1.0	-61.6	-25.0	-36.6	
	7503.03	-15.6	V	3.0	44.7	1.0	-59.4	-25.0	-34.4	
	10004.04	-8.7	V	3.0	42.9	1.0	-50.6	-25.0	-25.6	
	5002.02	-18.2	H	3.0	44.6	1.0	-61.8	-25.0	-36.8	
	7503.03	-15.7	H	3.0	44.7	1.0	-59.4	-25.0	-34.4	
	10004.04	-11.2	H	3.0	42.9	1.0	-53.1	-25.0	-28.1	
	Mid Ch, 2592.99MHz									
	5185.98	-17.3	V	3.0	44.6	1.0	-60.9	-25.0	-35.9	
	7778.97	-15.4	V	3.0	44.5	1.0	-58.9	-25.0	-33.9	
	10371.96	-5.6	V	3.0	42.9	1.0	-47.5	-25.0	-22.5	
	5185.98	-17.7	H	3.0	44.6	1.0	-61.3	-25.0	-36.3	
	7778.97	-15.5	H	3.0	44.5	1.0	-59.0	-25.0	-34.0	
	10371.96	-9.8	H	3.0	42.9	1.0	-51.7	-25.0	-26.7	
High Ch, 2685MHz										
5370.00	-17.1	V	3.0	44.6	1.0	-60.7	-25.0	-35.7		
8055.00	-15.3	V	3.0	44.4	1.0	-58.7	-25.0	-33.7		
10740.00	-4.4	V	3.0	42.9	1.0	-46.3	-25.0	-21.3		
5370.00	-17.2	H	3.0	44.6	1.0	-60.8	-25.0	-35.8		
8055.00	-15.3	H	3.0	44.4	1.0	-58.7	-25.0	-33.7		
10740.00	-9.0	H	3.0	42.9	1.0	-50.9	-25.0	-25.9		
10 MHz QPSK ANT C SRS3	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung									
	Project #: 4791547073									
	Date: 2024-12-27									
	Test Engineer: 26087									
	Configuration: EUT / X-Position									
	Location: Chamber 1									
	Mode: 5G NR n41(SRS) Harmonics, 10MHz Bandwidth									
	Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 2501.01MHz									
	5002.02	-17.8	V	3.0	44.6	1.0	-61.4	-25.0	-36.4	
	7503.03	-14.9	V	3.0	44.7	1.0	-58.6	-25.0	-33.6	
	10004.04	-2.0	V	3.0	42.9	1.0	-43.9	-25.0	-18.9	
	5002.02	-18.1	H	3.0	44.6	1.0	-61.6	-25.0	-36.6	
	7503.03	-15.3	H	3.0	44.7	1.0	-59.0	-25.0	-34.0	
	10004.04	-6.5	H	3.0	42.9	1.0	-48.3	-25.0	-23.3	
	Mid Ch, 2592.99MHz									
	5185.98	-17.0	V	3.0	44.6	1.0	-60.5	-25.0	-35.5	
	7778.97	-15.2	V	3.0	44.5	1.0	-58.7	-25.0	-33.7	
	10371.96	-1.5	V	3.0	42.9	1.0	-43.4	-25.0	-18.4	
	5185.98	-17.5	H	3.0	44.6	1.0	-61.1	-25.0	-36.1	
	7778.97	-15.0	H	3.0	44.5	1.0	-58.5	-25.0	-33.5	
	10371.96	-7.1	H	3.0	42.9	1.0	-49.0	-25.0	-24.0	
High Ch, 2685MHz										
5370.00	-15.4	V	3.0	44.6	1.0	-59.0	-25.0	-34.0		
8055.00	-15.2	V	3.0	44.4	1.0	-58.6	-25.0	-33.6		
10740.00	0.5	V	3.0	42.9	1.0	-41.4	-25.0	-16.4		
5370.00	-16.1	H	3.0	44.6	1.0	-59.7	-25.0	-34.7		
8055.00	-15.3	H	3.0	44.4	1.0	-58.7	-25.0	-33.7		
10740.00	-4.3	H	3.0	42.9	1.0	-46.2	-25.0	-21.2		